THE CITY OF SAN DIEGO

NORTH CITY WATER RECLAMATION PLANT

ANNUAL MONITORING REPORT 2009

(SDRWQCB Order No. 97-03)

City of San Diego
PUBLIC UTILITIES
Water & Wastewater

Environmental Monitoring and Technical Services
Public Utilities Department
2392 Kincaid Road • Mail Station 45A • San Diego, CA 92101
Tel (619) 758-2300 Fax (619) 758-2309

Certified
ISO 14001

THE CITY OF SAN DIEGO

January 29, 2010

Mr. David W. Gibson, Executive Officer
California Regional Water Quality Control Board,
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123

Attn: Ground Water Unit

Dear Mr. Gibson:

Enclosed is the Annual Monitoring report for 2009 for the City of San Diego North City Water Reclamation Plant, as is specified in Monitoring and Reporting Program No. 97-03 for the production and purveyance of reclaimed water.

In addition, results of analyses performed on North City samples, as part of the Metropolitan Wastewater system-wide Quarterly Sludge Project, a portion of the City's Pretreatment Program, have also been included.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief,

Environmental Monitoring and Technical Services Division • Metropolitan Wastewater
2392 Kincaid Road • San Diego, CA 92101-0811
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true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Steve Meyer
Deputy Public Utilities Director

SWM/lnk

cc: Jim Barrett, Director of Public Utilities
Ann Sasaki, Assitant Public Utilities Director, Wastewater Operations Branch
EPA Region 9
San Diego County Department of Environmental Health,
Hazardous Materials Division
San Diego County Department of Environmental Health,
Land Use Division
Distribution
File

INTRODUCTION:

The purpose of this document is to both meet the requirements of Monitoring and Reporting Program and to provide a reference source and resource tools for both regulatory agencies and City staff and their consultants. To this end, the past year's data is presented in tabular and graphical form. To make this document more useful we have included operational data and background analyses.

Notes on data conventions and analyses:

It should be noted that for averaging purposes "less than" and "not detected" (nd) values were treated as zeros. In many parts of the report zero values are found. Our computer system reads "less than" values as zero for summaries, as well as in computing averages. In those areas where zeros are found the reader can find appropriate Method Detection Limit (MDL) in the table of data. Because "less than" values are averaged as zero a number of the summary table values are lower than the detection limits.

The data tables may also contain values expressed as a <X (less than) with some number X. For example, the Diazinon value for PLE on March 10, 1998 (in the table below) is reported as <2.4 ug/L (see the below table); this indicates that one or more, of two or more, determinations was above the MDL, while the average was below the MDL. This value is still treated as a zero for averaging and other summary calculations. Note also, that sub-totals and totals consisting of multiple analytes (see below) are also reported as "<X", where the "X" value is the highest MDL for the particular group of analytes. This has the same significance as a "ND" or not detected.

Organophosphorus Pesticides

			PLE	PLE	PLE	PLR	PLR	PLR
			10-MAR-1998	27-APR-1998	10-SEP-1998	10-MAR-1998	27-APR-1998	10-SEP-1998
	MDL	Units	0311980006	0428980006	9809107494	0311980007	0428980007	9809107515
Demeton O	1.69	UG/L	ND	ND	ND	ND	ND	ND
Demeton S	1.82	UG/L	ND	ND	ND	ND	ND	ND
Diazinon	2.41	UG/L	<2.4	ND	ND	<2.4	ND	ND
Guthion	7.1	UG/L	ND	ND	ND	ND	ND	ND
Malathion	2.98	UG/L	ND	ND	ND	ND	ND	ND
Parathion	2.83	UG/L	ND	ND	ND	ND	ND	ND
Thiophosphorus Pesticides			<7.1	<7.1	<7.1	<7.1	<7.1	<7.1
Demeton -O, -S			<1.8	<0.2	<0.2	<1.8	<0.2	<0.2
Total Organophosphorus Pesticides			<7.1	<7.1	<7.1	<7.1	<7.1	<7.1

A further limitation, that the user of this data should note, is that confidence in the results of an analysis is heavily dependent upon the concentration relative to the Method Detection Limit (MDL). For the most part our detection limits have been established using the procedure in 40 CFR, part 136. This statistical basis for the MDL results in a defined statistical confidence (at the 99% Confidence Interval) of essentially ±100% of the result at or near the MDL. Only at concentrations approximately 5 times the MDL is the confidence interval at ±20% relative. While the precision of our methods generally ranges from 2-3 significant figures, the above limitations of confidence should always be considered.

Laboratories Contributing Results used in this report.

Metropolitan Wastewater Chemistry Laboratory
(EPA Lab Code: CA00380,
ELAP Certificate: 1609)
5530 Kiowa Drive
La Mesa, CA 91942
(619)668-3212
All results except those listed below.

Point Loma Wastewater Chemistry Laboratory
(EPA Lab Code: CA01435,
ELAP Certificate: 2474)
1902 Gatchell Road
San Diego, CA 92106
(619)221-8765
Process control analyses and wet methods for the plant.

North City Wastewater Chemistry Laboratory
(EPA Lab Code: CA01436,
ELAP Certificate: 2477)
4949 Eastgate Mall
San Diego, CA 92121
(858)824-6009
Process control analyses and wet methods for the plant.

Metro Biosolids Center Chemistry Laboratory
(EPA Lab Code: CA01437,
ELAP Certificate: 2478)
5240 Convoy Street
San Diego, CA 92111
(858)614-5834
Process control analyses and wet methods for the plant.

City of San Diego - Water Quality Laboratory
(EPA Lab Code: CA00080,
ELAP Certificate: 1058)
5530 Kiowa Drive
La Mesa, CA 91942
(619)668-3237
Total Organic Carbon in Wastewater

City of San Diego - Marine Microbiology and Vector Management (EPA LabCode: CA01393, ELAP Certificate: 2185)
2392 Kincaid Road
San Diego, CA 92101
(619)758-2312
Microbiology

Test America Richland (EPA Lab Code: WA00023, ELAP Certificate: 2425)
2800 George Washington Way
Richland, WA 99354-1613
(509)375-3131
Gross Alpha/Beta Radioactivity

Graphs:
Graphs of monthly averages show the arithmetic mean of the determinations made in the calendar month without weighting for variation in frequency or number of determinations. If the mean is less than the MDL (i.e. 'nd' or '<*X*'), the expressed graphical value is zero (0).

Terms:

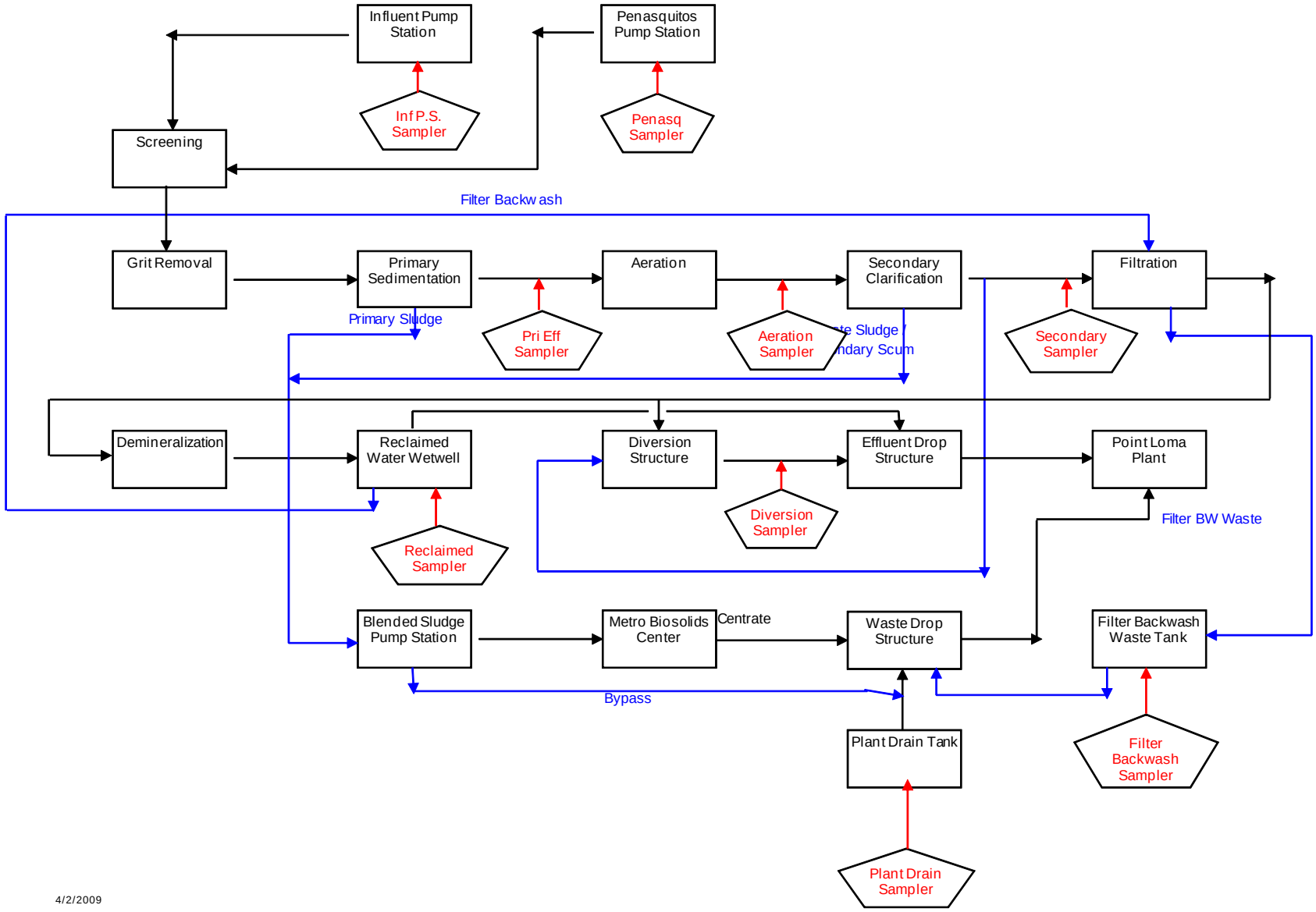
North City Water Reclamation Plant Source Codes

N01-PEN	Penasquitos Influent Pump Station
N01 PS_INF	Pump Station 64 Influent
N30-DFE	Disinfected Final Effluent
N15 AE	Aeration Effluent
N34 REC WATER	Compliance point . Reclaimed water distributed to customers, downstream of EDR unit.
N25 FES	Filter Effluent Structure
N10 EFF	Primary Effluent
N10-PSP COMB	Combined Primary Sludge Pump
N15-WAS HCP	Waste Activated Sludge (High Capacity Pump)
N15-WAS LCP	Waste Activated Sludge (Low Capacity Pump)

North City Water Reclamation Plant
Operator Certification

Name	Grade	Cert. No.	Expiration Date
North City Plant Superintendent			
Molas, Ernesto	V	V-7227	12/31/2011
North City Sr. Operations Supervisor			
Pruett, Sam	V	V-7791	06/30/2011
North City Operations Supervisors			
Cozad, John	III	III-7138	12/31/2011
Featherston, Robert	III	III-7534	06/30/2011
Relph, Robert	III	III-6742	12/31/2010
North City Operators			
Hill, Cardell	II	II-4041	06/30/2011
Todd, Terry	III	III-9833	12/31/2011
Castillo, Jose	III	III-9849	06/30/2011
Marlow, Dave	V	V-10216	12/31/2010
Jacques, Richie	II	II-27921	12/31/2010
Saulog, Noel	II	II-10299	12/31/2010

NCWRP Sampling Schematic



4/2/2009

North City Water Reclamation Plant
2009 Flows

Monthly Totals

Month	Penas-quitos Influent (MGD)	Pump 64 Influent (MGD)	Plant Drain Influent (MGD)	Disinfect Final Effluent (MGD)	Reclaim Water (MGD)	N Return (MGD)	FES Filter Effluent (MGD)	Primary Effluent (MGD)	Primary Sludge (MGD)	WAS Hi Cap sludge (MGD)	WAS Lo Cap sludge (MGD)	Filter Backwash (MGD)	Total Sludge Flow to MBC (MGD)
01	155.5	546.5	48.1	44.4	73.4	511.03	146.64	705.25	24.24	.00	11.01	2.78	39.20
02	224.3	418.2	39.7	39.5	40.9	512.76	114.79	650.18	19.26	.00	9.22	3.78	29.81
03	213.4	502.8	72.9	38.6	101.9	496.35	193.24	709.06	26.64	.00	11.22	4.63	31.74
04	219.6	481.3	63.6	40.1	141.2	415.46	236.49	685.08	25.87	1.49	10.06	6.72	37.22
05	204.5	509.9	56.0	42.7	190.3	415.10	301.73	704.98	27.27	.00	10.41	8.92	34.07
06	174.4	491.1	27.6	53.3	163.9	409.50	281.78	679.36	25.27	.00	10.64	8.19	35.71
07	158.0	537.7	38.6	52.5	227.4	393.51	353.84	711.15	27.25	3.21	10.10	8.49	35.14
08	251.8	491.4	25.8	50.1	214.1	396.84	347.88	710.45	27.17	.00	11.40	6.47	38.32
09	224.1	500.6	25.0	44.6	175.4	445.60	293.33	696.34	28.60	.00	10.29	11.39	37.90
10	228.5	487.6	41.2	55.0	175.8	407.83	302.07	703.04	28.48	.00	11.28	6.45	34.92
11	203.6	464.8	43.1	51.5	127.6	448.10	252.58	669.14	28.59	1.10	10.31	6.72	35.05
12	232.6	481.2	44.7	49.2	40.6	552.17	145.96	709.50	28.08	.00	10.28	4.65	33.07
Average	207.5	492.8	43.9	46.8	139.4	450.35	247.53	694.46	26.39	.48	10.52	6.60	35.18
Total	2490.3	5913.1	526.3	561.4	1672.3	5404.25	2970.33	8333.53	316.72	5.80	126.22	79.19	422.15

Daily Averages

Month	Penas-quitos Influent (MGD)	Pump 64 Influent (MGD)	Plant Drain Influent (MGD)	Disinfect Final Effluent (MGD)	Reclaim Water (MGD)	N Return (MGD)	FES Filter Effluent (MGD)	Primary Effluent (MGD)	Primary Sludge (MGD)	WAS Hi Cap sludge (MGD)	WAS Lo Cap sludge (MGD)	Filter Backwash (MGD)	Total Sludge Flow to MBC (MGD)
01	5.0	17.6	1.6	1.4	2.4	16.48	4.73	22.75	.78	.00	.36	.09	1.26
02	8.0	14.9	1.4	1.4	1.5	18.31	4.10	23.22	.69	.00	.33	.14	1.06
03	6.9	16.2	2.4	1.2	3.3	16.01	6.23	22.87	.86	.00	.36	.15	1.02
04	7.3	16.0	2.1	1.3	4.7	13.85	7.88	22.84	.86	.05	.34	.22	1.24
05	6.6	16.4	1.8	1.4	6.1	13.39	9.73	22.74	.88	.00	.34	.29	1.10
06	5.8	16.4	.9	1.8	5.5	13.65	9.39	22.65	.84	.00	.35	.27	1.19
07	5.1	17.3	1.2	1.7	7.3	12.69	11.41	22.94	.88	.10	.33	.27	1.13
08	8.1	15.9	.8	1.6	6.9	12.80	11.22	22.92	.88	.00	.37	.21	1.24
09	7.5	16.7	.8	1.5	5.8	14.85	9.78	23.21	.95	.00	.34	.38	1.26
10	7.4	15.7	1.3	1.8	5.7	13.16	9.74	22.68	.92	.00	.36	.21	1.13
11	6.8	15.5	1.4	1.7	4.3	14.94	8.42	22.30	.95	.04	.34	.22	1.17
12	7.5	15.5	1.4	1.6	1.3	17.81	4.71	22.89	.91	.00	.33	.15	1.07
Average	6.8	16.2	1.4	1.5	4.6	14.83	8.11	22.83	.87	.02	.35	.22	1.16

North City Water Reclamation Plant			
(N34-REC WATER) Recycled Water Chlorine Report			
N34-REC WATER is compliance point for reclaimed water			
	Minimum Daily [1]	Maximum Daily [2]	Time [3]
Operations 2009	Chlorine Residual	Chlorine Residual	CT less than
Date	(mg/L)	(mg/L)	450 mg-min/l (min)
Jan	5.4	10.68	0
Feb	5.1	13.16	0
Mar	2.47	15.99	0
Apr	2.81	14.81	0
May	3.52	5.47	0
Jun	2.69	6.50	0
Jul	3.89	6.89	0
Aug	3.70	6.04	0
Sep	2.31	5.72	0
Oct	3.56	6.69	0
Nov	2.23	5.78	0
Dec	3.47	13.48	0
		Total:	0
1 Minimum Daily value is the average recorded for the month.			
2 Maximum Daily value is the average recorded value for the month.			
3 Total time for the month.			

North City Water Reclamation Plant

Recycled Water Coliform Report

Operations 2009 Date	Tot. Coliform (7-day median) (MPN)
Jan	<1.8
Feb	<1.8
Mar	<1.8
Apr	<1.8
May	<1.8
Jun	<1.8
Jul	<1.8
Aug	<1.8
Sep	<1.8
Oct	<1.8
Nov	<1.8
Dec	<1.8

North City Water Reclamation Plant

Recycled Water Turbidity Report

Data from in-plant meter [4]

Operations 2009 Date	Average Daily Turbidity (NTU)	Minimum Daily [1] Turbidity (NTU)	Maximum Daily [2] Turbidity (NTU)	Time Over [3] 5 NTU's (MINUTES)
Jan	0.46	0.36	0.72	0.00
Feb	0.58	0.48	0.88	0.00
Mar	0.46	0.34	0.82	0.00
Apr	0.75	0.59	1.09	0.00
May	0.54	0.45	0.86	0.00
Jun	0.43	0.36	0.72	0.00
Jul	0.46	0.36	0.92	0.00
Aug	0.57	0.47	0.86	0.00
Sep	0.58	0.49	0.79	0.00
Oct	0.41	0.33	0.68	0.00
Nov	0.53	0.41	1.11	0.00
Dec	0.63	0.48	1.02	0.00
Average:	0.56		Total:	0.00

1 Minimum Daily value is the average recorded for the month.

2 Maximum Daily value is the average recorded value for the month.

3 Total time for the month.

4 Compliance monitoring point, values taken from the combined filter effluent turbidity meter (N25AIT673) or (N25AIT674), located at meter room of Area 25 (Tertiary Filter Structures)

2009

(N34-REC) Reclaimed Water - Daily Parameters

MDL/Units	Biochemical Oxygen Demand 2 MG/L	Total Dissolved Solids 28 MG/L	Total Suspended Solids 1.4 MG/L	Volatile Suspended Solids 1.6 MG/L	pH Grab (pH)
JANUARY -2009	<2	948	ND	ND	7.07
FEBRUARY -2009	<2	952	ND	ND	7.13
MARCH -2009	<2	932	<1.4	<1.6	7.08
APRIL -2009	<2	956	ND	ND	7.08
MAY -2009	<2	947	ND	ND	7.12
JUNE -2009	<2	909	ND	ND	7.03
JULY -2009	ND	922	ND	ND	7.06
AUGUST -2009	<2	894	ND	ND	7.13
SEPTEMBER-2009	ND	899	ND	ND	7.17
OCTOBER -2009	ND	855	<1.4	ND	7.15
NOVEMBER -2009	<2	865	<1.4	<1.6	7.12
DECEMBER -2009	<2	893	ND	ND	7.13
Average:	0	914	0	0	7.11
Maximum:	0	956	0	0	7.17
Minimum:	0	855	0	0	7.03

(N01-PS-INF) Pump Station 64 Influent - Daily Parameters

Sample Date:	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	Turbidity (NTU)	pH COMPOSITE (pH)
JANUARY -2009	201	1150	216	195	108	7.57
FEBRUARY -2009	184	1140	189	170	103	7.57
MARCH -2009	251	1170	219	195	123	7.53
APRIL -2009	223	1200	208	188	111	7.57
MAY -2009	214	1170	219	197	120	7.63
JUNE -2009	237	1140	229	205	133	7.67
JULY -2009	225	1130	225	202	125	7.62
AUGUST -2009	217	1090	221	197	134	7.62
SEPTEMBER-2009	215	1100	230	206	117	7.62
OCTOBER -2009	233	1060	196	175	134	7.64
NOVEMBER -2009	245	1120	228	203	128	7.66
DECEMBER -2009	208	1160	209	187	120	7.66
Average:	221	1136	216	193	121	7.61
Maximum:	251	1200	230	206	134	7.67
Minimum:	184	1060	189	170	103	7.53

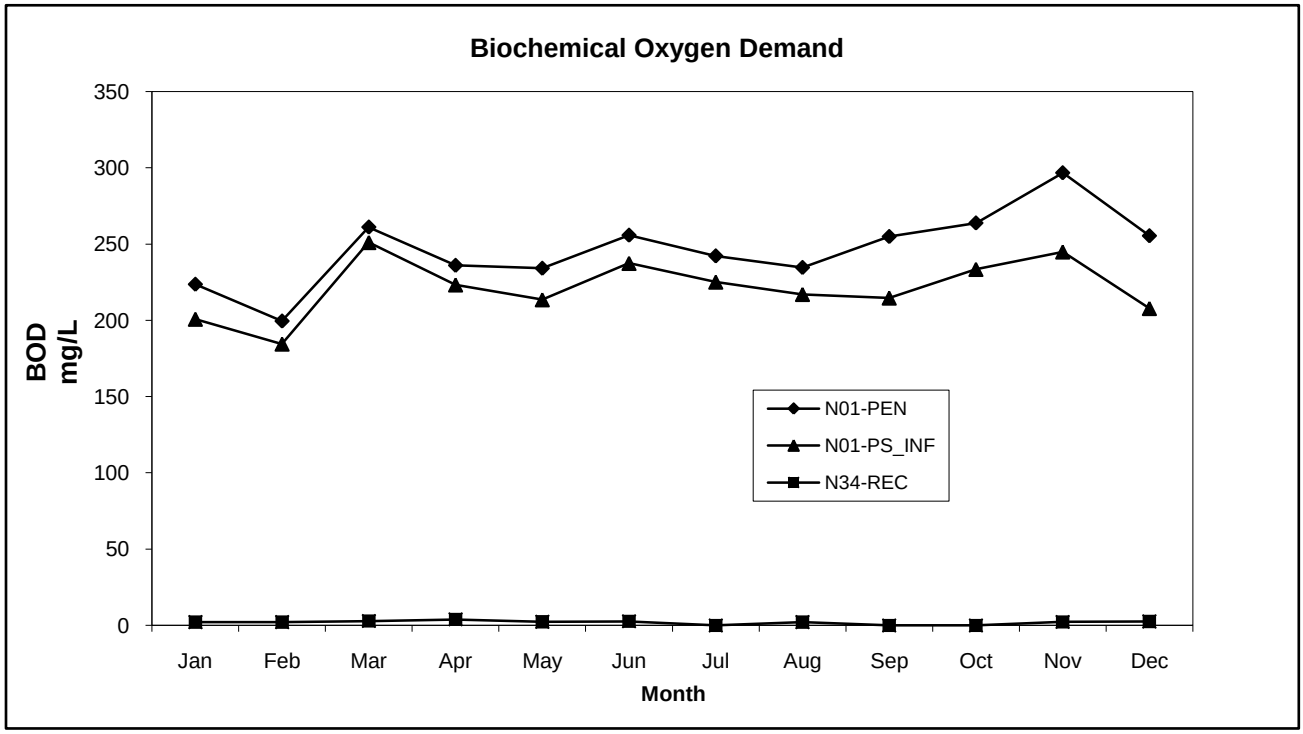
All samples are 24-hour composite.
NA= Not Analyzed
NS= Not Sampled
ND= Not Detected

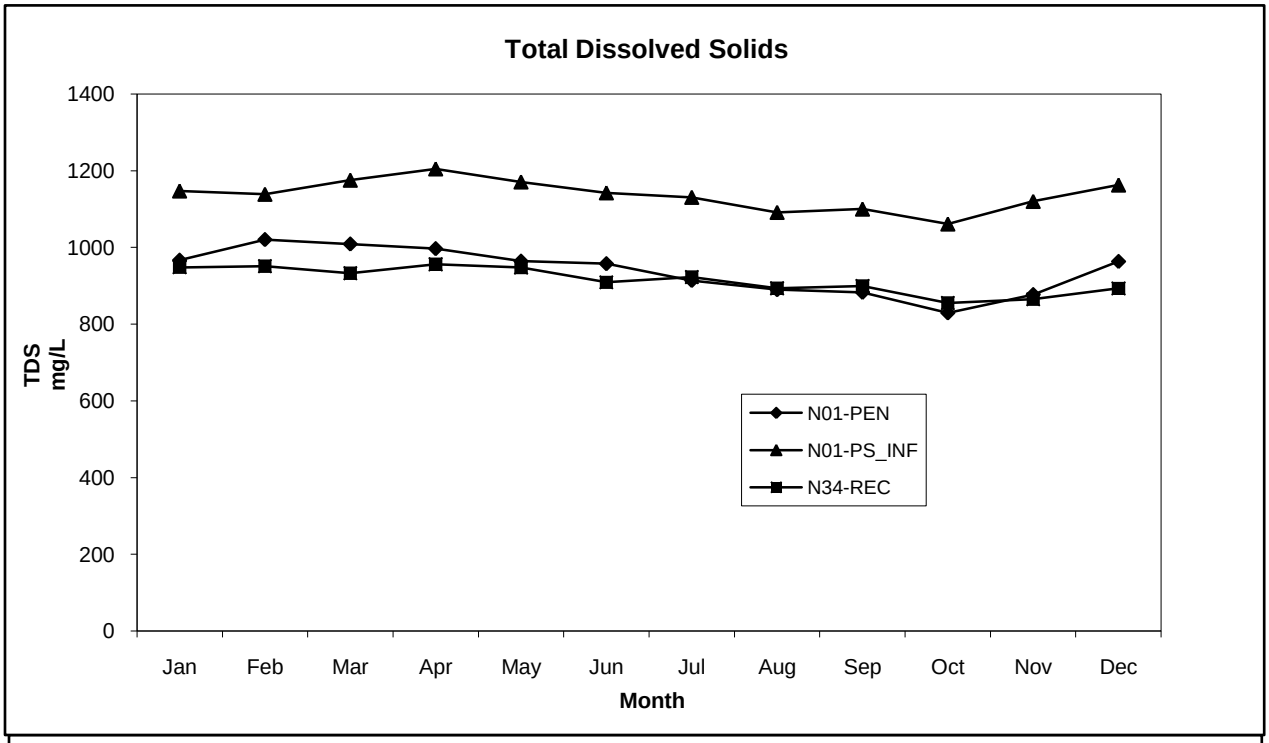
2009

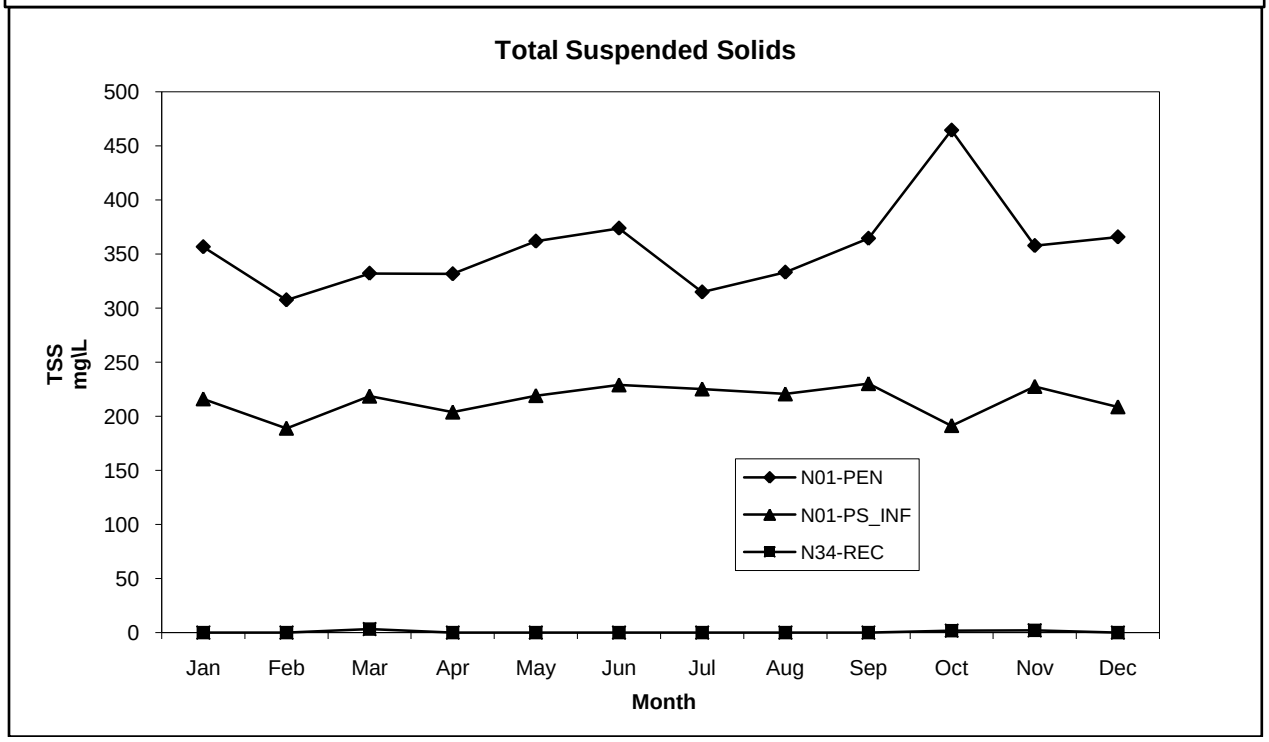
(N01-PEN) Penasquitos Pump Station Influent - Daily Parameters

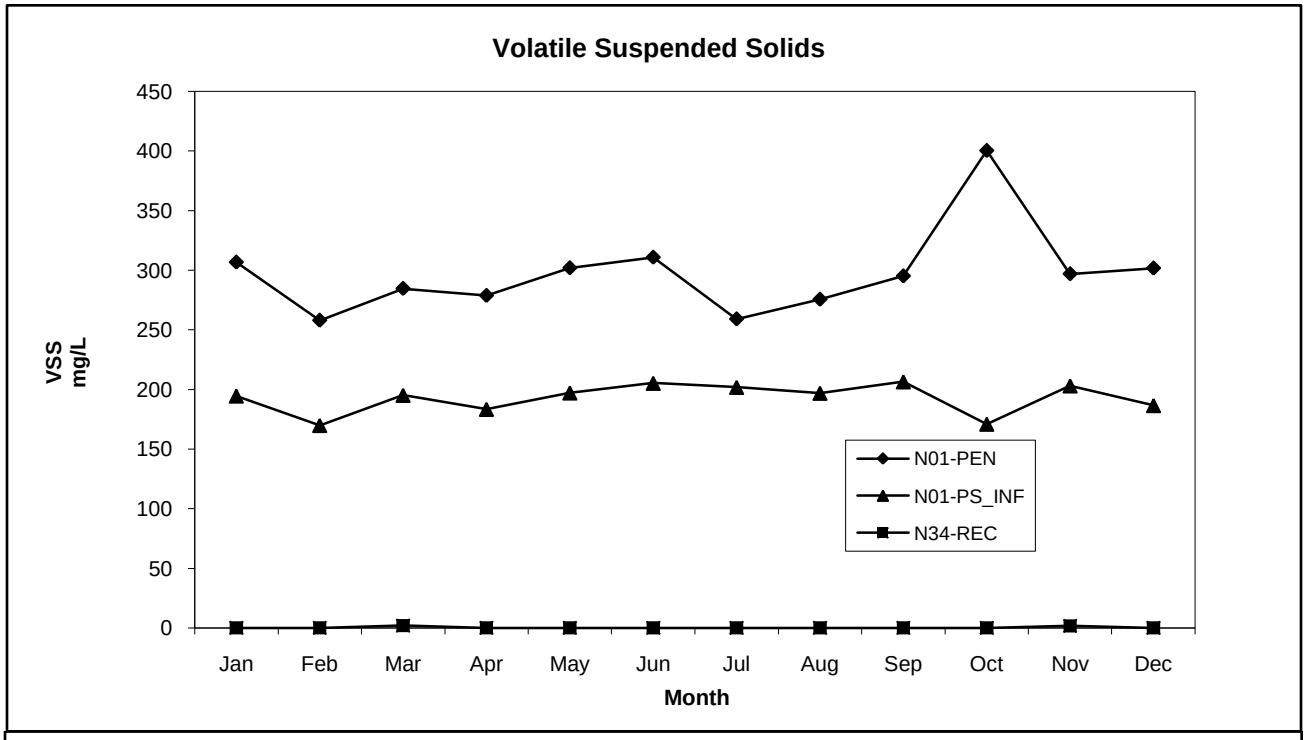
Sample Date:	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	Turbidity (NTU)	pH COMPOSITE (pH)
JANUARY -2009	224	967	357	307	137	7.43
FEBRUARY -2009	200	1020	307	258	133	7.46
MARCH -2009	261	1010	332	285	147	7.49
APRIL -2009	236	996	332	279	121	7.47
MAY -2009	234	964	362	302	135	7.58
JUNE -2009	256	957	374	311	141	7.60
JULY -2009	242	914	315	259	140	7.56
AUGUST -2009	235	890	333	276	156	7.58
SEPTEMBER-2009	255	883	364	295	142	7.58
OCTOBER -2009	264	829	464	401	132	7.54
NOVEMBER -2009	297	877	358	297	141	7.63
DECEMBER -2009	255	963	366	302	148	7.60
Average:	247	939	355	298	139	7.54
Maximum:	297	1020	464	401	156	7.63
Minimum:	200	829	307	258	121	7.43

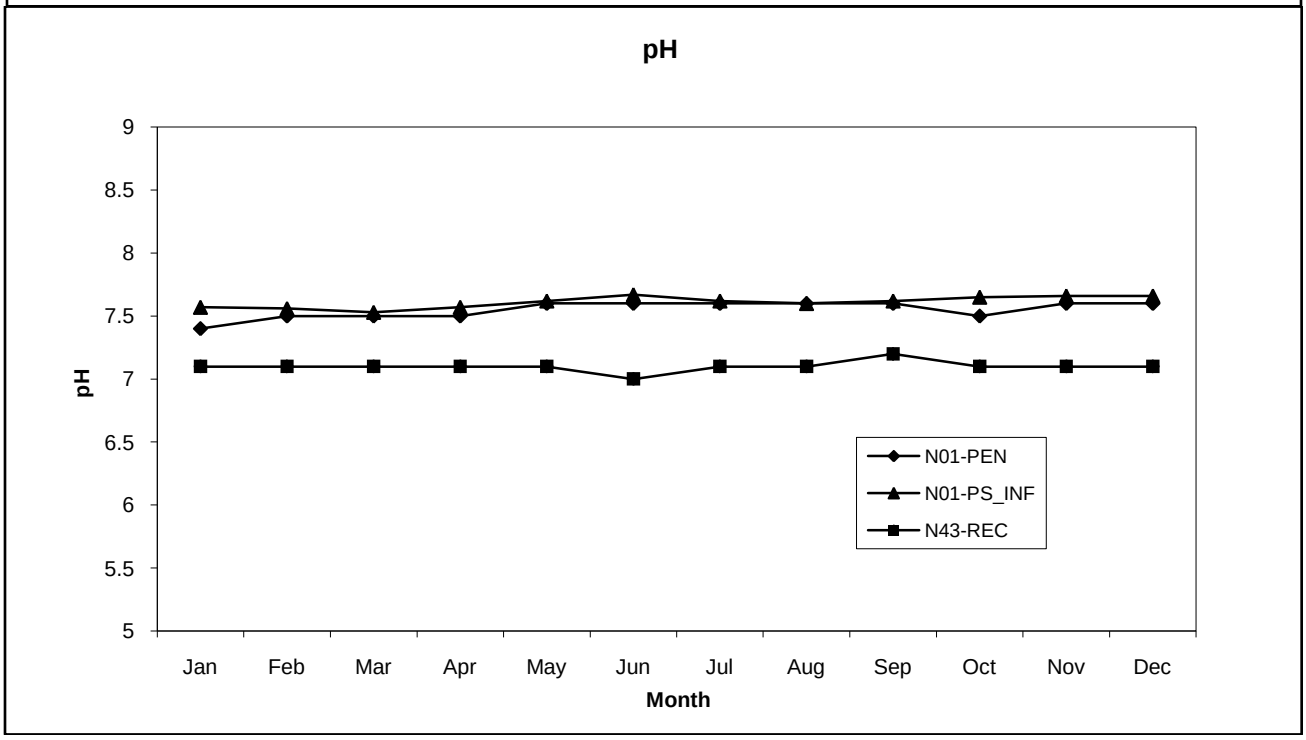
All samples are 24-hour composite.
NA= Not Analyzed
NS= Not Sampled
ND= Not Detected




Total Dissolved Solids
TDS mg/L
1400
1200
1000
800
600
400
200
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Month
N01-PEN
N01-PS_INF
N34-REC


Total Suspended Solids
TSS mg/L
500
450
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Month
N01-PEN
N01-PS_INF
N34-REC


Volatile Suspended Solids
VSS mg/L
450
400
350
300
250
200
150
100
50
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Month
N01-PEN
N01-PS_INF
N34-REC


pH
9
8.5
8
7.5
7
6.5
6
5.5
5
Jan
Feb
Mar
Apr
May
Jun
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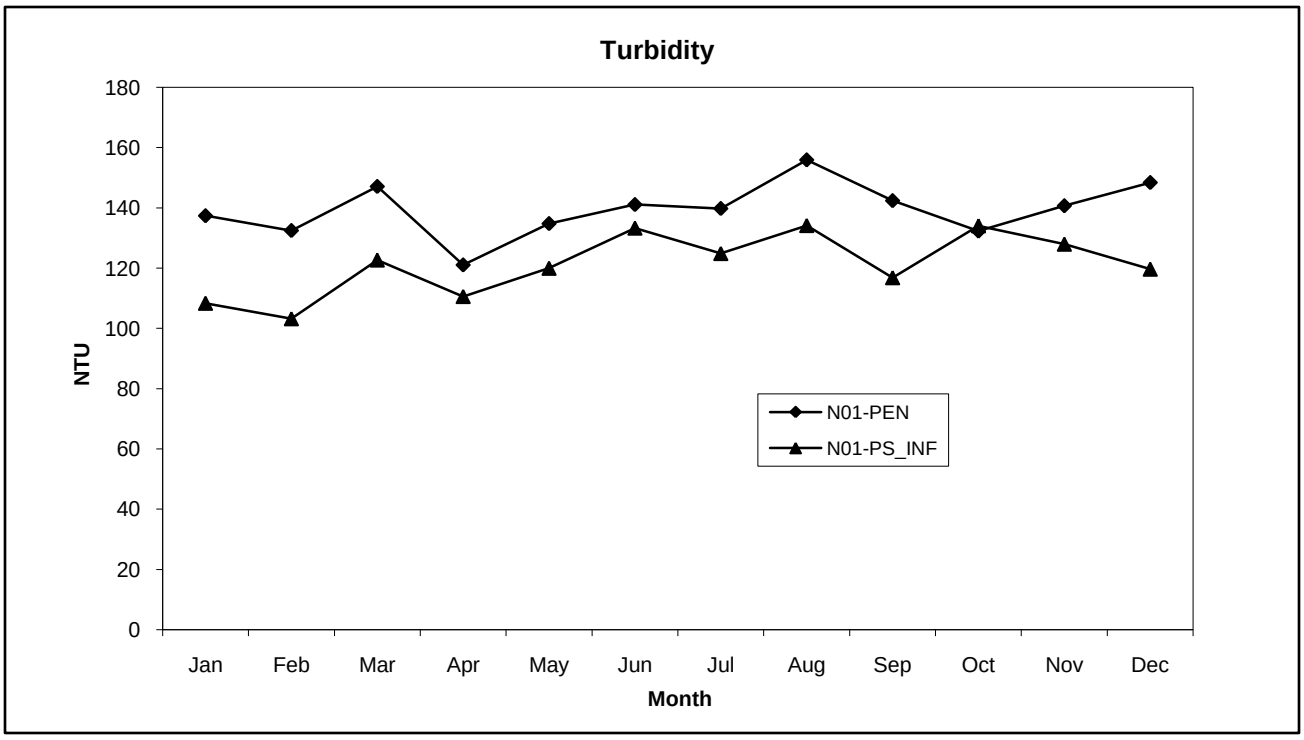
Aug
Sep
Oct
Nov
Dec
Month
N01-PEN
N01-PS_INF
N43-REC


Turbidity
180
160
140
120
100
80
60
40
20
0
NTU
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Month
N01-PEN
N01-PS_INF

NORTH CITY WATER RECLAMATION PLANT
Annual Monitoring Report

2009

(N34-REC) Reclaimed Water- Monthly/Annual Averages

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	47	2.9	.4	.039	.022	7
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Limit:	1000	6	50	1000	4	700
JANUARY -2009	223	ND	0.61	62.4	ND	365
FEBRUARY -2009	135	ND	0.50	39.1	ND	385
MARCH -2009	154	ND	0.44	42.7	ND	340
APRIL -2009	72	ND	0.52	40.7	ND	355
MAY -2009	174	ND	0.61	37.8	ND	371
JUNE -2009	124	ND	0.64	35.7	ND	367
JULY -2009	108	ND	0.52	42.4	ND	354
AUGUST -2009	96	ND	0.90	36.5	ND	379
SEPTEMBER-2009	97	ND	0.94	31.0	ND	350
OCTOBER -2009	70	ND	0.69	30.9	ND	369
NOVEMBER -2009	87	<3	0.74	28.1	ND	360
DECEMBER -2009	86	ND	0.58	31.9	0.02	325
Annual Average:	119	0	0.64	38.3	0.00	360

Analyte:	Cadmium	Chromium	Cobalt	Copper	Iron	Lead
MDL:	.53	1.2	.85	2	37	2
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Limit:	5	50			300	
JANUARY -2009	ND	ND	0.87	217.0	123	<2.00
FEBRUARY -2009	ND	ND	ND	22.7	69	ND
MARCH -2009	ND	<1.2	ND	9.2	89	ND
APRIL -2009	ND	<1.2	ND	10.6	97	ND
MAY -2009	ND	ND	ND	6.6	119	ND
JUNE -2009	0.6	ND	ND	5.7	65	ND
JULY -2009	ND	ND	ND	8.8	53	ND
AUGUST -2009	ND	ND	ND	8.5	66	ND
SEPTEMBER-2009	ND	ND	ND	6.2	65	ND
OCTOBER -2009	ND	ND	ND	5.4	45	ND
NOVEMBER -2009	ND	ND	ND	6.6	127	ND
DECEMBER -2009	ND	<1.2	ND	9.2	113	ND
Annual Average:	0.1	0.000	0.073	26.4	86	0.00

Analyte:	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver
MDL:	.24	.09	.89	.53	.28	.4
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Limit:	50	2		100	50	
JANUARY -2009	70	ND	6.8	5.4	0.82	ND
FEBRUARY -2009	68	ND	6.1	6.1	0.88	<0.40
MARCH -2009	67	ND	7.0	5.4	1.02	ND
APRIL -2009	76	ND	7.0	7.5	1.03	ND
MAY -2009	64	ND	7.2	5.4	0.88	ND
JUNE -2009	67	ND	7.9	7.0	0.87	ND
JULY -2009	59	ND	7.2	4.8	0.61	ND
AUGUST -2009	63	ND	6.6	4.4	0.78	ND
SEPTEMBER-2009	69	ND	8.9	7.2	0.74	ND
OCTOBER -2009	41	ND	6.0	4.1	0.67	<0.40
NOVEMBER -2009	86	ND	7.8	5.4	0.67	ND
DECEMBER -2009	61	0.25	5.8	4.6	0.90	ND
Annual Average:	66	0.02	7.03	5.6	0.82	0.00

MDL's listed are the maximum MDL for the past 12 months.

ND= Not Detected NA= Not Analyzed NS= Not Sampled

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(N34-REC) Reclaimed Water- Monthly/Annual Averages

Analyte:	Thallium	Vanadium	Zinc	Calcium	Lithium	Magnesium
MDL:	3.9	.64	2.5	.04	.002	.1
Units:	UG/L	UG/L	UG/L	MG/L	MG/L	MG/L
Limit:	2					
JANUARY -2009	ND	ND	39.0	67.9	0.04	29.9
FEBRUARY -2009	ND	ND	20.2	65.6	0.04	28.9
MARCH -2009	ND	ND	13.5	66.2	0.05	28.6
APRIL -2009	ND	ND	14.2	68.0	0.05	28.4
MAY -2009	ND	<0.6	23.3	70.0	0.04	31.2
JUNE -2009	ND	<0.6	19.4	65.7	0.04	28.4
JULY -2009	ND	ND	28.0	64.4	0.04	27.3
AUGUST -2009	ND	ND	20.9	64.9	0.04	27.6
SEPTEMBER-2009	ND	<0.6	22.5	59.5	0.04	25.4
OCTOBER -2009	ND	<0.6	22.2	62.4	0.04	27.6
NOVEMBER -2009	ND	ND	19.4	61.8	0.03	27.6
DECEMBER -2009	ND	<0.6	17.3	62.3	0.04	26.7
Annual Average:	ND	<0.000	21.7	64.9	0.04	28.1

Analyte:	Potassium	Sodium	Calcium Hardness	Magnesium Hardness	Total Hardness	Total Alkalinity
MDL:	.3	1	.04 MG/L	.1 MG/L	.1 MG/L	
Units:	MG/L	MG/L				MG/L
Limit:						
JANUARY -2009	14.6	193	170	123	293	121
FEBRUARY -2009	14.9	176	164	118	282	112
MARCH -2009	14.4	196	166	117	283	124
APRIL -2009	14.5	193	170	116	286	125
MAY -2009	16.8	190	175	128	303	105
JUNE -2009	16.4	187	164	116	280	107
JULY -2009	15.6	181	161	112	273	108
AUGUST -2009	16.4	183	162	113	275	105
SEPTEMBER-2009	15.9	172	149	104	253	86
OCTOBER -2009	17.4	194	156	113	269	116
NOVEMBER -2009	16.8	186	155	113	268	100
DECEMBER -2009	15.3	192	156	109	265	103
Annual Average:	15.8	187	162	115	278	109

Analyte:	Chloride	Fluoride	Nitrate	Sulfate	Ortho Phosphate	MBAS
MDL:	7	.05	.04	9	.2	(surfactants)
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Limit:	300	1		300		
JANUARY -2009	265	0.4	36.8	218	4.40	0.23
FEBRUARY -2009	234	0.4	47.5	219	3.12	0.23
MARCH -2009	245	0.4	28.5	242	1.71	0.22
APRIL -2009	249	0.5	33.2	238	2.84	0.17
MAY -2009	232	0.4	62.7	234	5.44	0.19
JUNE -2009	220	0.3	48.3	220	6.23	0.18
JULY -2009	237	0.3	45.4	210	6.09	0.14
AUGUST -2009	238	0.3	48.9	314	14.00	0.14
SEPTEMBER-2009	225	0.3	56.8	201	6.09	0.16
OCTOBER -2009	243	0.4	50.2	204	6.12	0.18
NOVEMBER -2009	240	0.4	48.4	198	6.50	0.16
DECEMBER -2009	240	0.5	34.3	217	6.76	0.76
Annual Average:	239	0.4	45.1	226	5.78	0.23

MDL's listed are the maximum MDL for the past 12 months.

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(N34-REC) Reclaimed Water- Monthly/Annual Averages

Analyte:	Total	Percent	Adjusted Sodium	Total	Total
MDL:	Organic Carbon	Sodium	Adsorption	Cyanides	Dissolved Solids
Units:	0.25 MG/L	Calculated %	Calculated	MG/L	28
Limit:			6	0.2	1200
JANUARY -2009	8.2	57	4.9	0.006	948
FEBRUARY -2009	10.0	56	4.5	0.007	952
MARCH -2009	8.9	59	5.0	0.002	932
APRIL -2009	9.4	58	4.9	0.003	956
MAY -2009	8.7	56	4.8	ND	947
JUNE -2009	8.4	57	4.8	0.005	909
JULY -2009	8.5	57	3.4	0.003	922
AUGUST -2009	7.9	58	4.7	0.010	894
SEPTEMBER-2009	8.6	58	4.4	ND	899
OCTOBER -2009	6.9	59	5.0	0.008	855
NOVEMBER -2009	8.0	58	4.8	ND	865
DECEMBER -2009	9.7	60	5.0	ND	893
Annual Average:	8.6	58	4.7	0.004	914

MDL's listed are the maximum MDL for the past 12 months.

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(N01-PS_INF) Pump Station 64 Influent - Annual Averages

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	47	2.9	.4	.039	.022	7
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2009	687	ND	1.0	107	ND	357
FEBRUARY -2009	724	ND	0.6	118	ND	362
MARCH -2009	837	ND	1.3	127	ND	329
APRIL -2009	454	ND	0.5	112	ND	312
MAY -2009	693	ND	0.5	116	ND	357
JUNE -2009	903	ND	1.3	105	ND	355
JULY -2009	650	ND	0.8	105	ND	357
AUGUST -2009	636	ND	1.1	107	ND	361
SEPTEMBER-2009	491	ND	0.9	105	ND	357
OCTOBER -2009	370	ND	0.7	79	0.03	351
NOVEMBER -2009	680	<2.9	0.7	107	<0.02	364
DECEMBER -2009	560	ND	0.6	110	0.03	335
Annual Average:	640	0.0	0.8	108	0.01	350

Analyte:	Cadmium	Chromium	Cobalt	Copper	Iron	Lead
MDL:	.53	1.2	.85	2	37	2
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2009	ND	1.6	ND	116	435	ND
FEBRUARY -2009	ND	2.8	ND	140	664	3.1
MARCH -2009	ND	2.6	ND	121	813	ND
APRIL -2009	ND	2.4	ND	96	421	ND
MAY -2009	ND	2.3	ND	147	519	<2.0
JUNE -2009	ND	2.5	ND	121	494	ND
JULY -2009	ND	1.7	ND	129	434	<2.0
AUGUST -2009	ND	2.5	ND	141	484	<2.0
SEPTEMBER-2009	ND	2.1	ND	136	406	ND
OCTOBER -2009	ND	1.8	ND	91	289	ND
NOVEMBER -2009	ND	2.6	ND	139	710	<2.0
DECEMBER -2009	ND	2.2	ND	105	446	ND
Annual Average:	ND	2.3	ND	124	510	0.3

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NORTH CITY WATER RECLAMATION PLANT
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(N01-PS_INF) Pump Station 64 Influent - Annual Averages

Analyte:	Lithium	Manganese	Mercury	Molybdenum	Nickel	Selenium
MDL:	.002	.24	.09	.89	.53	.28
Units:	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2009	0.045	110	ND	9.00	4.4	2.15
FEBRUARY -2009	0.048	115	ND	9.56	7.1	2.15
MARCH -2009	0.058	133	ND	9.72	5.5	2.49
APRIL -2009	0.058	111	ND	7.82	4.0	1.95
MAY -2009	0.055	109	0.10	10.70	4.5	1.98
JUNE -2009	0.050	104	0.15	11.10	6.1	2.00
JULY -2009	0.048	98	0.19	10.10	4.2	1.89
AUGUST -2009	0.051	96	0.17	13.90	4.1	2.16
SEPTEMBER-2009	0.046	93	ND	12.30	5.4	1.74
OCTOBER -2009	0.046	94	ND	10.20	4.8	1.53
NOVEMBER -2009	0.036	102	0.17	11.40	5.7	1.48
DECEMBER -2009	0.052	102	0.30	8.87	4.0	1.84
Annual Average:	0.049	106	0.09	10	5.0	1.95

Analyte:	Silver	Thallium	Vanadium	Zinc	Calcium	Magnesium
MDL:	.4	3.9	.64	2.5	.04	.1
Units:	UG/L	UG/L	UG/L	UG/L	MG/L	MG/L
JANUARY -2009	1.3	ND	ND	132	93.9	41.3
FEBRUARY -2009	1.6	ND	ND	154	90.0	38.4
MARCH -2009	1.2	ND	0.85	158	105.0	42.7
APRIL -2009	0.5	ND	<0.64	113	96.2	40.5
MAY -2009	1.1	ND	ND	146	94.0	42.2
JUNE -2009	1.5	ND	0.73	130	87.0	37.5
JULY -2009	1.3	ND	ND	139	87.3	37.4
AUGUST -2009	1.3	ND	<0.64	142	86.0	36.8
SEPTEMBER-2009	1.2	ND	ND	122	78.9	33.4
OCTOBER -2009	1.2	ND	ND	109	81.4	36.6
NOVEMBER -2009	1.4	ND	0.69	150	68.3	30.9
DECEMBER -2009	1.9	ND	<0.64	137	92.7	39.8
Annual Average:	1.3	ND	0.19	136	88.4	38.1

ND= Not Detected
NA= Not Analyzed
NS= Not Sampled

NORTH CITY WATER RECLAMATION PLANT
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(N01-PS_INF) Pump Station 64 Influent - Annual Averages

Analyte:	Potassium	Sodium	Chloride	Fluoride	Sulfate	Total Dissolved Solids
MDL:	.3	1	7	.05	300	28
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
JANUARY -2009	21.1	225	NR	NR	NR	1150
FEBRUARY -2009	20.3	199	295	0.48	265	1140
MARCH -2009	19.7	222	NR	NR	NR	1170
APRIL -2009	20.0	207	NR	NR	NR	1200
MAY -2009	22.3	229	302	0.42	285	1170
JUNE -2009	20.2	195	NR	NR	NR	1140
JULY -2009	21.0	218	NR	NR	NR	1130
AUGUST -2009	21.0	214	295	0.22	237	1090
SEPTEMBER-2009	19.0	188	NR	NR	NR	1100
OCTOBER -2009	22.9	225	309	ND	209	1060
NOVEMBER -2009	19.5	168	NR	NR	NR	1120
DECEMBER -2009	21.7	234	NR	NR	NR	1160
Annual Average:	20.7	210	300	0.28	249	1136

Analyte:	Total Cyanides
MDL:	.002
Units:	MG/L
JANUARY -2009	ND
FEBRUARY -2009	ND
MARCH -2009	0.003
APRIL -2009	ND
MAY -2009	ND
JUNE -2009	ND
JULY -2009	ND
AUGUST -2009	ND
SEPTEMBER-2009	ND
OCTOBER -2009	ND
NOVEMBER -2009	ND
DECEMBER -2009	ND
Annual Average:	0.000

ND= Not Detected
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NS= Not Sampled

NORTH CITY WATER RECLAMATION PLANT
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(N01-PEN) Penasquitos Influent - Annual Averages

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	47	2.9	.4	.039	.022	7
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2009	2110	ND	2.15	100	ND	291
FEBRUARY -2009	2770	ND	1.40	94	ND	351
MARCH -2009	1690	ND	1.67	118	0.14	318
APRIL -2009	1960	ND	1.78	99	0.09	336
MAY -2009	1590	ND	1.50	103	0.03	346
JUNE -2009	2120	ND	NR	93	0.05	344
JULY -2009	2010	ND	2.30	121	<0.02	336
AUGUST -2009	2650	ND	4.68	94	<0.02	348
SEPTEMBER-2009	2200	ND	3.33	102	0.03	326
OCTOBER -2009	2280	<3	3.09	89	0.05	336
NOVEMBER -2009	1230	3	1.26	94	<0.02	347
DECEMBER -2009	1650	ND	2.02	99	0.13	330
Annual Average:	2022	0	2.29	101	0.04	334

Analyte:	Cadmium	Chromium	Cobalt	Copper	Iron	Lead
MDL:	.53	1.2	.85	2	37	2
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2009	ND	5.0	ND	89	10800	ND
FEBRUARY -2009	ND	18.2	ND	105	13100	ND
MARCH -2009	ND	11.3	1.23	114	12000	2.0
APRIL -2009	ND	17.5	1.36	97	10100	ND
MAY -2009	ND	17.0	<0.85	111	11900	2.9
JUNE -2009	ND	9.5	1.14	97	11100	2.3
JULY -2009	ND	7.5	<0.85	105	13300	2.2
AUGUST -2009	ND	8.0	ND	92	12500	2.0
SEPTEMBER-2009	ND	13.5	<0.85	112	13500	ND
OCTOBER -2009	ND	7.5	1.68	93	11800	ND
NOVEMBER -2009	ND	11.8	0.91	108	12200	<2.0
DECEMBER -2009	ND	13.8	<0.85	107	11100	<2.0
Annual Average:	ND	11.7	0.53	103	11950	1.0

ND= Not Detected
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NORTH CITY WATER RECLAMATION PLANT
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(N01-PEN) Penasquitos Influent - Annual Averages

Analyte:	Lithium	Manganese	Mercury	Molybdenum	Nickel	Selenium
MDL:	.002	.24	.09	.89	.53	.28
Units:	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2009	0.040	118	0.41	9.71	10.4	1.79
FEBRUARY -2009	0.037	172	ND	11.00	22.9	1.37
MARCH -2009	0.052	9260	ND	12.50	15.2	1.90
APRIL -2009	0.051	177	0.32	8.64	17.1	1.89
MAY -2009	0.045	127	0.26	12.80	16.1	1.94
JUNE -2009	NR	135	NR	12.70	16.2	NR
JULY -2009	0.042	128	ND	12.90	15.0	1.72
AUGUST -2009	0.044	165	0.24	13.20	11.7	1.64
SEPTEMBER-2009	0.040	168	ND	15.60	21.9	1.53
OCTOBER -2009	0.041	162	0.13	13.40	15.3	1.75
NOVEMBER -2009	0.043	119	ND	12.00	18.7	1.27
DECEMBER -2009	0.054	120	0.47	11.40	17.9	1.57
Annual Average:	0.044	904	0.17	12.15	16.5	1.67

Analyte:	Silver	Thallium	Vanadium	Zinc	Calcium	Magnesium
MDL:	.4	3.9	.64	2.5	.04	.1
Units:	UG/L	UG/L	UG/L	UG/L	MG/L	MG/L
JANUARY -2009	1.35	ND	3.39	144	81.6	37.5
FEBRUARY -2009	1.50	ND	4.21	152	72.9	34.4
MARCH -2009	0.64	9.85	3.58	129	87.8	38.6
APRIL -2009	1.14	ND	4.00	124	87.8	38.3
MAY -2009	1.27	ND	3.98	145	81.6	37.7
JUNE -2009	2.26	ND	4.28	139	NR	NR
JULY -2009	2.19	ND	3.98	138	76.1	32.7
AUGUST -2009	0.86	ND	4.23	141	73.7	31.1
SEPTEMBER-2009	1.45	ND	4.94	157	70.3	30.5
OCTOBER -2009	ND	ND	3.41	140	68.6	29.6
NOVEMBER -2009	1.28	ND	4.08	156	83.3	37.1
DECEMBER -2009	3.76	ND	4.10	135	78.4	33.7
Annual Average:	1.48	0.82	4.02	142	78.4	34.7

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NORTH CITY WATER RECLAMATION PLANT
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(N01-PEN) Penasquitos Influent - Annual Averages

Analyte:	Potassium	Sodium	Chloride	Fluoride	Sulfate	Total Dissolved Solids
MDL:	.3	1	7	.05	9	28
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
JANUARY -2009	19.9	174	NR	NR	NR	967
FEBRUARY -2009	18.8	164	230	0.66	232	1020
MARCH -2009	18.1	178	NR	NR	NR	1010
APRIL -2009	18.8	177	NR	NR	NR	996
MAY -2009	20.6	188	244	0.50	253	964
JUNE -2009	NR	NR	NR	NR	NR	957
JULY -2009	19.2	172	NR	NR	NR	914
AUGUST -2009	19.1	173	231	0.29	211	890
SEPTEMBER-2009	18.0	157	NR	NR	NR	883
OCTOBER -2009	20.2	164	214	0.52	169	829
NOVEMBER -2009	21.3	220	NR	NR	NR	877
DECEMBER -2009	19.2	193	NR	NR	NR	963
Annual Average:	19.4	178	230	0.49	216	939.2

Analyte:	Total Cyanides
MDL:	.002
Units:	MG/L
JANUARY -2009	ND
FEBRUARY -2009	ND
MARCH -2009	ND
APRIL -2009	ND
MAY -2009	ND
JUNE -2009	NR
JULY -2009	ND
AUGUST -2009	ND
SEPTEMBER-2009	ND
OCTOBER -2009	0.0021
NOVEMBER -2009	ND
DECEMBER -2009	ND
Annual Average:	0.0002

ND= Not Detected
NA= Not Analyzed
NS= Not Sampled

2009 Annual Pretreatment Program Sludge Analysis
(QUARTERLY SLUDGE PROJECT)

POINT LOMA WASTEWATER TREATMENT PLANT
ORDER NO. R9-2002-0025
NPDES PERMIT NO. CA0107409

The Quarterly Sludge Project is part of the Pt. Loma WWTP NPDES (Permit No. CA0107409/Order No. R9-2002-0025) monitoring requirements. The sampling plan is designed so as to provide a "snapshot" of all of the physical and chemical characteristics monitored of the wastewater treatment waste streams for a short interval of time (1-2 days). This is conducted quarterly.

The Quarterly Sludge Project was conducted 4 times during 2009, composite and grab samples were taken in February, May, August, and October.

The North City Reclamation Water Plant is included in the Pre-treatment monitoring program and data from that aspect of the program is reported in the following section. The plant primary influents (N01-PS_INF and N01-PEN), Primary effluent (N10-EFF), and reclaimed water (N34-REC WATER) were sampled. For influent and effluent samples, automatic refrigerated samplers are composited over a 24 hour period.

pH, Grease & Oils, temperature, and conductivity are determined from grab samples.

Abbreviations:

NCWRP	North City Water Reclamation Plant
N01-PS_INF	NCWRP influent from pump station 64
N01-PEN	NCWRP Penasquitos influent
N34-REC WATER	NCWRP reclaimed water.
N10-EFF	NCWRP Primary effluent

NORTH CITY WATER RECLAMATION PLANT
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Metals & Ions

Source:			N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
Date:			03-FEB-2009	05-MAY-2009	04-AUG-2009	06-OCT-2009
Sample ID:	MDL	Units	P458407	P468691	P481220	P490492
Aluminum	47	UG/L	724	780	690	362
Antimony	2.9	UG/L	ND	ND	ND	ND
Arsenic	.4	UG/L	0.61	0.52	1.12	0.66
Barium	.039	UG/L	118	122	108	85
Beryllium	.022	UG/L	ND	ND	ND	ND
Boron	7	UG/L	362	359	363	369
Cadmium	.53	UG/L	ND	ND	ND	ND
Chromium	1.2	UG/L	2.8	2.3	2.1	1.6
Cobalt	.85	UG/L	ND	ND	ND	ND
Copper	2	UG/L	140.0	153.0	164.0	87.2
Iron	37	UG/L	664	561	516	249
Lead	2	UG/L	3	2	ND	ND
Manganese	.24	UG/L	115.00	113.00	96.60	89.40
Mercury	.09	UG/L	ND	0.10	0.17	ND
Molybdenum	.89	UG/L	9.6	9.6	11.7	9.6
Nickel	.53	UG/L	7.1	4.5	4.4	4.8
Selenium	.28	UG/L	2.15	1.98	2.16	1.53
Silver	.4	UG/L	1.6	1.1	0.9	1.1
Thallium	3.9	UG/L	ND	ND	ND	ND
Vanadium	.64	UG/L	ND	ND	0.7	ND
Zinc	2.5	UG/L	154.0	154.0	153.0	98.5
Calcium Hardness	.1	MG/L	225	235	215	203
Magnesium Hardness	.4	MG/L	158	174	152	151
Total Hardness	.4	MG/L	383	409	366	354
Calcium	.04	MG/L	90	94	86	81
Lithium	.002	MG/L	0.048	0.055	0.051	0.046
Magnesium	.1	MG/L	38	42	37	37
Potassium	.3	MG/L	20	22	21	23
Sodium	1	MG/L	199	229	214	225
Bromide	.1	MG/L	0.52	0.59	0.57	0.53
Chloride	7	MG/L	295	302	295	309
Fluoride	.05	MG/L	0.48	0.42	0.22	ND
Nitrate	.04	MG/L	0.18	0.14	0.32	0.20
Ortho Phosphate	.2	MG/L	9.32	11.20	9.88	10.50
Sulfate	9	MG/L	265	285	237	209
Cyanides,Total	.002	MG/L	ND	ND	ND	ND
Adjusted Sodium Adsorption		MG/L	NR	NR	NR	NR
Percent Sodium		PERCENT	NR	NR	NR	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Sulfides-Total	.18	MG/L	1.20	2.76	1.74	1.80
Total Kjeldahl Nitrogen	1.6	MG/L	54.8	70.9	49.4	52.2
Ammonia-N	.3	MG/L	39.5	39.8	38.4	39.7

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N34-REC WATER = NCWRP Reclaimed Water After Mixing
N10-EFF = Primary Effluent
N01-PS_INF = North City Pump Station Influent (PS #64)
N01-PEN = Penasquitos Pump Station Influent

NORTH CITY WATER RECLAMATION PLANT
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Metals & Ions

Source:			N01-PEN	N01-PEN	N01-PEN	N01-PEN
Date:			03-FEB-2009	05-MAY-2009	04-AUG-2009	06-OCT-2009
Sample ID:	MDL	Units	P458412	P468696	P481225	P490497
Aluminum	47	UG/L	2770	1850	3370	2230
Antimony	2.9	UG/L	ND	ND	ND	ND
Arsenic	.4	UG/L	1.40	1.50	4.68	3.09
Barium	.039	UG/L	94	107	92	104
Beryllium	.022	UG/L	ND	0.03	ND	0.05
Boron	7	UG/L	351	351	355	336
Cadmium	.53	UG/L	ND	ND	ND	ND
Chromium	1.2	UG/L	18.2	10.4	8.8	8.4
Cobalt	.85	UG/L	ND	1.14	ND	0.87
Copper	2	UG/L	105.0	126.0	86.1	110.0
Iron	37	UG/L	13100	12400	11800	13400
Lead	2	UG/L	ND	3	ND	ND
Manganese	.24	UG/L	172.00	130.00	180.00	156.00
Mercury	.09	UG/L	ND	0.26	0.24	0.13
Molybdenum	.89	UG/L	11.0	9.3	14.2	13.2
Nickel	.53	UG/L	22.9	10.2	13.9	20.9
Selenium	.28	UG/L	1.37	1.94	1.64	1.75
Silver	.4	UG/L	1.5	1.6	0.7	ND
Thallium	3.9	UG/L	ND	ND	ND	ND
Vanadium	.64	UG/L	4.2	4.5	4.5	3.4
Zinc	2.5	UG/L	152.0	147.0	133.0	141.0
Calcium Hardness	.1	MG/L	182	204	184	171
Magnesium Hardness	.4	MG/L	141	155	128	122
Total Hardness	.4	MG/L	324	359	312	293
Calcium	.04	MG/L	73	82	74	69
Lithium	.002	MG/L	0.037	0.045	0.044	0.041
Magnesium	.1	MG/L	34	38	31	30
Potassium	.3	MG/L	19	21	19	20
Sodium	1	MG/L	164	188	173	164
Bromide	.1	MG/L	0.32	0.35	0.20	0.12
Chloride	7	MG/L	230	244	231	214
Fluoride	.05	MG/L	0.66	0.50	0.29	0.52
Nitrate	.04	MG/L	0.19	ND	ND	0.17
Ortho Phosphate	.2	MG/L	1.46	2.80	2.75	6.34
Sulfate	9	MG/L	232	253	211	169
Cyanides,Total	.002	MG/L	ND	ND	ND	0.002
Adjusted Sodium Adsorption		MG/L	NR	NR	NR	NR
Percent Sodium		PERCENT	NR	NR	NR	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Sulfides-Total	.18	MG/L	3.73	5.09	4.74	2.92
Total Kjeldahl Nitrogen	1.6	MG/L	47.3	43.8	43.6	41.8
Ammonia-N	.3	MG/L	34.3	31.8	33.2	35.5

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NORTH CITY WATER RECLAMATION PLANT
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Metals & Ions

Source:			N10-EFF	N10-EFF	N10-EFF	N10-EFF
Date:			03-FEB-2009	05-MAY-2009	04-AUG-2009	06-OCT-2009
Sample ID:	MDL	Units	P458417	P468701	P481230	P490502
Aluminum	47	UG/L	587	476	446	380
Antimony	2.9	UG/L	ND	ND	ND	4
Arsenic	.4	UG/L	0.61	0.67	1.27	0.89
Barium	.039	UG/L	86	89	79	70
Beryllium	.022	UG/L	ND	ND	ND	ND
Boron	7	UG/L	356	361	373	355
Cadmium	.53	UG/L	ND	ND	ND	ND
Chromium	1.2	UG/L	3.6	2.0	1.9	2.1
Cobalt	.85	UG/L	ND	ND	ND	ND
Copper	2	UG/L	81.5	80.5	69.9	54.1
Iron	37	UG/L	2690	2190	1790	1760
Lead	2	UG/L	ND	ND	ND	ND
Manganese	.24	UG/L	110.00	106.00	104.00	99.90
Mercury	.09	UG/L	ND	ND	ND	ND
Molybdenum	.89	UG/L	8.9	8.1	10.3	9.1
Nickel	.53	UG/L	8.8	4.9	5.7	7.5
Selenium	.28	UG/L	1.49	1.87	1.40	1.32
Silver	.4	UG/L	1.2	0.6	0.4	0.4
Thallium	3.9	UG/L	ND	ND	ND	ND
Vanadium	.64	UG/L	ND	0.9	ND	ND
Zinc	2.5	UG/L	78.7	68.9	61.3	63.3
Calcium Hardness	.1	MG/L	205	227	204	199
Magnesium Hardness	.4	MG/L	152	170	143	145
Total Hardness	.4	MG/L	357	397	348	345
Calcium	.04	MG/L	82	91	82	80
Lithium	.002	MG/L	0.043	0.052	0.049	0.045
Magnesium	.1	MG/L	37	41	35	35
Potassium	.3	MG/L	20	22	21	22
Sodium	1	MG/L	189	218	201	211
Bromide	.1	MG/L	0.46	0.53	0.23	0.32
Chloride	7	MG/L	277	285	275	286
Fluoride	.05	MG/L	0.50	0.45	0.26	0.47
Nitrate	.04	MG/L	0.29	ND	ND	0.17
Ortho Phosphate	.2	MG/L	4.75	7.36	7.73	9.29
Sulfate	9	MG/L	256	276	230	202
Cyanides,Total	.002	MG/L	ND	ND	ND	ND
Adjusted Sodium Adsorption		MG/L	NR	NR	NR	NR
Percent Sodium		PERCENT	NR	NR	NR	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Sulfides-Total	.18	MG/L	0.41	0.84	1.43	1.99
Total Kjeldahl Nitrogen	1.6	MG/L	46.8	58.4	43.6	46.4
Ammonia-N	.3	MG/L	37.0	37.3	36.4	38.3

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N01-PEN = Penasquitos Pump Station Influent

NORTH CITY WATER RECLAMATION PLANT
Annual Monitoring Report

2009

Metals & Ions

Source:			N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:			03-FEB-2009	05-MAY-2009	04-AUG-2009	06-OCT-2009
Sample ID:	MDL	Units	P458422	P468706	P481235	P490507
Aluminum	47	UG/L	138	170	92	76
Antimony	2.9	UG/L	ND	ND	ND	ND
Arsenic	.4	UG/L	0.50	0.61	0.90	0.69
Barium	.039	UG/L	38	38	38	34
Beryllium	.022	UG/L	ND	ND	ND	ND
Boron	7	UG/L	402	385	382	384
Cadmium	.53	UG/L	ND	ND	ND	ND
Chromium	1.2	UG/L	ND	ND	ND	ND
Cobalt	.85	UG/L	ND	ND	ND	ND
Copper	2	UG/L	25.2	6.0	11.0	6.7
Iron	37	UG/L	70	112	66	43
Lead	2	UG/L	ND	ND	ND	ND
Manganese	.24	UG/L	72.90	68.60	54.90	35.40
Mercury	.09	UG/L	ND	ND	ND	ND
Molybdenum	.89	UG/L	6.3	5.9	6.7	5.9
Nickel	.53	UG/L	8.0	4.6	4.8	5.4
Selenium	.28	UG/L	0.88	0.88	0.78	0.67
Silver	.4	UG/L	ND	ND	ND	0.5
Thallium	3.9	UG/L	ND	ND	ND	ND
Vanadium	.64	UG/L	ND	<0.6	ND	0.7
Zinc	2.5	UG/L	22.6	23.6	22.2	21.5
Calcium Hardness	.1	MG/L	164	175	162	156
Magnesium Hardness	.4	MG/L	119	129	114	114
Total Hardness	.4	MG/L	283	304	276	270
Calcium	.04	MG/L	66	70	65	62
Lithium	.002	MG/L	0.036	0.044	0.041	0.042
Magnesium	.1	MG/L	29	31	28	28
Potassium	.3	MG/L	15	17	16	17
Sodium	1	MG/L	176	190	183	194
Bromide	.1	MG/L	ND	0.14	ND	ND
Chloride	7	MG/L	234	232	238	243
Fluoride	.05	MG/L	0.38	0.42	0.30	0.38
Nitrate	.04	MG/L	47.50	62.70	48.90	50.20
Ortho Phosphate	.2	MG/L	3.12	5.44	14.00	6.12
Sulfate	9	MG/L	219	234	314	204
Cyanides,Total	.002	MG/L	0.007	ND	0.010	0.008
Adjusted Sodium Adsorption		MG/L	4.5	4.8	4.7	5.0
Percent Sodium		PERCENT	55.9	56.0	57.6	59.0
Total Organic Carbon		MG/L	10.0	8.7	7.9	6.9
Sulfides-Total	.18	MG/L	ND	ND	ND	ND
Total Kjeldahl Nitrogen	1.6	MG/L	ND	ND	ND	ND
Ammonia-N	.3	MG/L	ND	ND	ND	ND

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N34-REC WATER = NCWRP Reclaimed Water After Mixing
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N01-PEN = Penasquitos Pump Station Influent

NORTH CITY WATER RECLAMATION PLANT
QUARTERLY SLUDGE PROJECT
Radioactivity

From: 01-JAN-2009 to: 31-DEC-2009

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
N10-EFF	03-FEB-2009	P458417	4.2±2.4	24.3±4.7
N10-EFF	05-MAY-2009	P468701	1.6±2.4	22.3±4.2
N10-EFF	04-AUG-2009	P481230	3.2±2.1	23.9±5.0
N10-EFF	06-OCT-2009	P490502	3.0±1.7	21.0±4.1
N01-PS_INF	03-FEB-2009	P458407	2.0±2.1	29.6±5.4
N01-PS_INF	05-MAY-2009	P468691	3.8±2.6	23.2±4.9
N01-PS_INF	04-AUG-2009	P481220	3.3±2.3	26.2±5.3
N01-PS_INF	06-OCT-2009	P490492	2.5±2.5	27.5±5.1
N01-PEN	03-FEB-2009	P458412	2.6±2.4	19.5±3.9
N01-PEN	05-MAY-2009	P468696	5.6±3.1	44.6±7.6
N01-PEN	04-AUG-2009	P481225	5.2±2.8	20.5±4.2
N01-PEN	06-OCT-2009	P490497	5.4±3.2	24.1±5.1
N34-REC WATER	03-FEB-2009	P458422	0.2±1.6	14.7±3.5
N34-REC WATER	05-MAY-2009	P468706	0.5±1.5	22.8±5.7
N34-REC WATER	04-AUG-2009	P481235	2.5±1.8	17.3±4.2
N34-REC WATER	06-OCT-2009	P490507	0.9±1.2	17.4±3.7

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Units in picocuries per Liter (pCi/L)

N34-REC WATER = NCWRP Reclaimed Water After Mixing
N10-EFF = Primary Effluent
N01-PS_INF = North City Pump Station Influent (PS #64)
N01-PEN = Penasquitos Pump Station Influent

North City Water Reclamation Plant
Annual - Quarterly Sludge Project

2009

Physical Parameters

Analytes	MDL	Units	N01-PS_INF 03-FEB-2009	N01-PS_INF 05-MAY-2009	N01-PS_INF 04-AUG-2009	N01-PS_INF 06-OCT-2009
Ammonia-N	.3	MG/L	39.5	39.8	38.4	39.7
BOD (Biochemical Oxygen Demand)	2	MG/L	150.0	185.0	209.0	244.0
Hexane Extractable Material	1.2	MG/L	30.4	37.0	30.1	30.6
Chemical Oxygen Demand	18	MG/L	749	NR	473	429
Conductivity	10	UMHOS/CM	2100	2090	2020	2160
MBAS (Surfactants)	.03	MG/L	9.0	10.4	6.6	9.8
pH (grab)		PH	7.3	7.5	7.3	7.2
Total Alkalinity (bicarbonate)	20	MG/L	296	301	282	293
Total Dissolved Solids	28	MG/L	1160	1180	1080	1070
Total Suspended Solids	1.4	MG/L	86.0	210.0	216.0	234.0
Volatile Suspended Solids	1.6	MG/L	79.0	184.0	192.0	208.0
Total Kjeldahl Nitrogen	1.6	MG/L	54.8	70.9	49.4	52.2
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity	.13	NTU	85.0	110.0	150.0	150.0
Sulfides-Total	.18	MG/L	1.2	2.8	1.7	1.8

Analytes	MDL	Units	N01-PEN 03-FEB-2009	N01-PEN 05-MAY-2009	N01-PEN 04-AUG-2009	N01-PEN 06-OCT-2009
Ammonia-N	.3	MG/L	34.3	31.8	33.2	35.5
BOD (Biochemical Oxygen Demand)	2	MG/L	203.0	246.0	199.0	210.0
Hexane Extractable Material	1.2	MG/L	56.1	62.9	69.0	66.3
Chemical Oxygen Demand	18	MG/L	537	NR	445	242
Conductivity	10	UMHOS/CM	1810	1820	1760	1770
MBAS (Surfactants)	.03	MG/L	9.3	8.3	6.9	9.6
pH (grab)		PH	7.2	7.4	7.4	7.1
Total Alkalinity (bicarbonate)	20	MG/L	286	286	283	284
Total Dissolved Solids	28	MG/L	960	992	884	888
Total Suspended Solids	1.4	MG/L	268.0	336.0	303.0	344.0
Volatile Suspended Solids	1.6	MG/L	228.0	276.0	243.0	280.0
Total Kjeldahl Nitrogen	1.6	MG/L	47.3	43.8	43.6	41.8
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity	.13	NTU	120.0	110.0	100.0	100.0
Sulfides-Total	.18	MG/L	3.7	5.1	4.7	2.9

NA= Not Analyzed ND= Not Detected

North City Water Reclamation Plant
Annual - Quarterly Sludge Project

2009

Physical Parameters

Analytes	MDL	Units	N10-EFF 03-FEB-2009	N10-EFF 05-MAY-2009	N10-EFF 04-AUG-2009	N10-EFF 06-OCT-2009
Ammonia-N	.3	MG/L	37.0	37.3	36.4	38.3
BOD (Biochemical Oxygen Demand)	2	MG/L	134.0	137.0	139.0	133.0
Hexane Extractable Material	1.2	MG/L	35.0	26.1	29.8	26.4
Chemical Oxygen Demand	18	MG/L	319	NR	322	310
Conductivity	10	UMHOS/CM	2000	2000	1940	1720
MBAS (Surfactants)	.03	MG/L	8.0	9.1	6.2	9.3
pH (grab)		PH	7.3	7.5	7.4	7.3
Total Alkalinity (bicarbonate)	20	MG/L	289	291	282	287
Total Dissolved Solids	28	MG/L	1100	1100	1020	1070
Total Suspended Solids	1.4	MG/L	84.0	90.0	76.0	79.0
Volatile Suspended Solids	1.6	MG/L	73.3	76.0	58.0	67.0
Total Kjeldahl Nitrogen	1.6	MG/L	46.8	58.4	43.6	46.4
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity	.13	NTU	81.0	71.0	67.0	71.0
Sulfides-Total	.18	MG/L	0.4	0.8	1.4	2.0

Physical Parameters

Analytes	MDL	Units	N34-REC WATER 03-FEB-2009	N34-REC WATER 05-MAY-2009	N34-REC WATER 04-AUG-2009	N34-REC WATER 06-OCT-2009
Ammonia-N	.3	MG/L	ND	ND	ND	ND
BOD (Biochemical Oxygen Demand)	2	MG/L	2.4	ND	ND	ND
Hexane Extractable Material	1.2	MG/L	1.8	2.2	2.2	3.4
Chemical Oxygen Demand	18	MG/L	29	NR	20	ND
Conductivity	10	UMHOS/CM	1550	1510	1510	1530
MBAS (Surfactants)	.03	MG/L	0.2	0.2	0.1	0.2
pH (grab)		PH	7.0	7.4	7.1	7.2
Total Alkalinity (bicarbonate)	20	MG/L	112	105	105	116
Total Dissolved Solids	28	MG/L	926	926	902	908
Total Suspended Solids	1.4	MG/L	ND	ND	ND	ND
Volatile Suspended Solids	1.6	MG/L	ND	ND	ND	ND
Total Kjeldahl Nitrogen	1.6	MG/L	ND	ND	ND	ND
Total Organic Carbon		MG/L	10.0	8.7	7.9	6.9
Turbidity	.13	NTU	1.3	1.2	1.6	1.0
Sulfides-Total	.18	MG/L	ND	ND	ND	ND

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North City Water Reclamation Plant
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2009

Organo - Tins

Analyte	MDL	Units	N01-PS_INF 03-FEB-2009 P458407	N01-PS_INF 05-MAY-2009 P468691	N01-PS_INF 04-AUG-2009 P481220	N01-PS_INF 06-OCT-2009 P490492
Tributyltin	2	UG/L	ND	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN 03-FEB-2009 P458412	N01-PEN 05-MAY-2009 P468696	N01-PEN 04-AUG-2009 P481225	N01-PEN 06-OCT-2009 P490497
Tributyltin	2	UG/L	ND	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N10-EFF 03-FEB-2009 P458417	N10-EFF 05-MAY-2009 P468701	N10-EFF 04-AUG-2009 P481230	N10-EFF 06-OCT-2009 P490502
Tributyltin	2	UG/L	ND	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N34-REC WATER 03-FEB-2009 P458422	N34-REC WATER 05-MAY-2009 P468706	N34-REC WATER 04-AUG-2009 P481235	N34-REC WATER 06-OCT-2009 P490507
Tributyltin	2	UG/L	ND	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND

NA= Not Analyzed
ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2009

Chlorinated Pesticides

Analyte	MDL	Units	N01-PS_INF 03-FEB-2009 P458407	N01-PS_INF 05-MAY-2009 P468691	N01-PS_INF 04-AUG-2009 P481220	N01-PS_INF 06-OCT-2009 P490492
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	16	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	34	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	4400	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	9	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Heptachlors	8	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	4409	0	0	0
Hexachlorocyclohexanes	7	NG/L	50	0	0	0
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	4459	0	0	0

NA= Not Analyzed ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN 03-FEB-2009 P458412	N01-PEN 05-MAY-2009 P468696	N01-PEN 04-AUG-2009 P481225	N01-PEN 06-OCT-2009 P490497
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	22	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	6
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Heptachlors	8	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	22	0	0	6
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	22	0	0	6

NA= Not Analyzed ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N10-EFF 03-FEB-2009 P458417	N10-EFF 05-MAY-2009 P468701	N10-EFF 04-AUG-2009 P481230	N10-EFF 06-OCT-2009 P490502
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Heptachlors	8	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

NA= Not Analyzed ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N34-REC WATER 03-FEB-2009 P458422	N34-REC WATER 05-MAY-2009 P468706	N34-REC WATER 04-AUG-2009 P481235	N34-REC WATER 06-OCT-2009 P490507
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Heptachlors	8	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

NA= Not Analyzed ND= Not Detected

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Base/Neutral Compounds

Analyte	MDL	Units	N01-PS_INF 03-FEB-2009 P458407	N01-PS_INF 05-MAY-2009 P468691	N01-PS_INF 04-AUG-2009 P481220	N01-PS_INF 06-OCT-2009 P490492
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	7.1	7.3	6.9	10.8
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	12.6	10.1	10.9	13.0
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	3.1	3.8
Chrysene	1.16	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	19.7	17.4	20.9	27.6

Additional analytes determined;

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

NA= Not Analyzed ND= Not Detected

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Base/Neutral Compounds

Analyte	MDL	Units	N01-PEN 03-FEB-2009 P458412	N01-PEN 05-MAY-2009 P468696	N01-PEN 04-AUG-2009 P481225	N01-PEN 06-OCT-2009 P490497
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	6.2	8.1	6.9	9.3
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	9.7	13.5
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	6.2	8.1	16.6	22.8

Additional analytes determined

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

NA= Not Analyzed ND= Not Detected

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Base/Neutral Compounds

Analyte	MDL	Units	N10-EFF 03-FEB-2009 P458417	N10-EFF 05-MAY-2009 P468701	N10-EFF 04-AUG-2009 P481230	N10-EFF 06-OCT-2009 P490502
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	7.3	9.0	8.6	8.9
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	9.1	ND	ND	14.6
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	16.4	9.0	8.6	23.5
Additional analytes determined;						
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

NA= Not Analyzed ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2009

Base/Neutral Compounds

Analyte	MDL	Units	N34-REC WATER 03-FEB-2009 P458422	N34-REC WATER 05-MAY-2009 P468706	N34-REC WATER 04-AUG-2009 P481235	N34-REC WATER 06-OCT-2009 P490507
1,2,4-trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	1.01	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
2-chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	1.35	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	145.0	53.6	15.0	16.7
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	1.1	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	1.09	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	1.49	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.01	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	145.0	53.6	15.0	16.7

Additional analytes determined;

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

NA= Not Analyzed ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2009

Organophosphorous Pesticides

Analyte	MDL	Units	N01-PS_INF 05-MAY-2009 P468691	N01-PS_INF 06-OCT-2009 P490492	N01-PEN 05-MAY-2009 P468696	N01-PEN 06-OCT-2009 P490497
Demeton O	.15	UG/L	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND
Diazinon	.03	UG/L	ND	ND	ND	ND
Guthion	.15	UG/L	ND	ND	ND	ND
Malathion	.03	UG/L	ND	ND	0.240	ND
Parathion	.03	UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.000	0.000	0.240	0.000
Demeton -O, -S	.15	UG/L	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.3	UG/L	0.000	0.000	0.240	0.000
Dichlorvos	.05	UG/L	ND	ND	ND	ND
Dibrom	.2	UG/L	ND	ND	ND	ND
Ethoprop	.04	UG/L	ND	ND	ND	ND
Phorate	.04	UG/L	ND	ND	ND	ND
Sulfotepp	.04	UG/L	ND	ND	ND	ND
Disulfoton	.02	UG/L	ND	ND	ND	ND
Dimethoate	.04	UG/L	ND	ND	ND	ND
Ronnel	.03	UG/L	ND	ND	ND	ND
Trichloronate	.04	UG/L	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND
Dichlofenthion	.03	UG/L	ND	ND	ND	ND
Tokuthion	.06	UG/L	ND	ND	ND	ND
Stirophos	.03	UG/L	ND	ND	ND	ND
Bolstar	.07	UG/L	ND	ND	ND	ND
Fensulfothion	.07	UG/L	ND	ND	ND	ND
EPN	.09	UG/L	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND	ND	ND
Mevinphos, z isomer	.3	UG/L	ND	ND	ND	ND
Chlorpyrifos	.03	UG/L	ND	ND	ND	ND

NA= Not Analyzed ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2009

Organophosphorous Pesticides

Analyte	MDL	Units	N10-EFF 05-MAY-2009 P468701	N10-EFF 06-OCT-2009 P490502	N34-REC WATER 05-MAY-2009 P468706	N34-REC WATER 06-OCT-2009 P490507
Demeton O	.15	UG/L	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND
Diazinon	.03	UG/L	ND	ND	ND	ND
Guthion	.15	UG/L	ND	ND	ND	ND
Malathion	.03	UG/L	ND	ND	ND	ND
Parathion	.03	UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.000	0.000	0.000	0.000
Demeton -O, -S	.15	UG/L	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.3	UG/L	0.000	0.000	0.000	0.000
Dichlorvos	.05	UG/L	ND	ND	ND	ND
Dibrom	.2	UG/L	ND	ND	ND	ND
Ethoprop	.04	UG/L	ND	ND	ND	ND
Phorate	.04	UG/L	ND	ND	ND	ND
Sulfotepp	.04	UG/L	ND	ND	ND	ND
Disulfoton	.02	UG/L	ND	ND	ND	ND
Dimethoate	.04	UG/L	ND	ND	ND	ND
Ronnel	.03	UG/L	ND	ND	ND	ND
Trichloronate	.04	UG/L	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND
Dichlofenthion	.03	UG/L	ND	ND	ND	ND
Tokuthion	.06	UG/L	ND	ND	ND	ND
Stirophos	.03	UG/L	ND	ND	ND	ND
Bolstar	.07	UG/L	ND	ND	ND	ND
Fensulfothion	.07	UG/L	ND	ND	ND	ND
EPN	.09	UG/L	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND	ND	ND
Mevinphos, z isomer	.3	UG/L	ND	ND	ND	ND
Chlorpyrifos	.03	UG/L	ND	ND	ND	ND

NA= Not Analyzed ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2009

Phenolic Compounds

Analyte	MDL	Units	N01-PS_INF 03-FEB-2009 P458407	N01-PS_INF 05-MAY-2009 P468691	N01-PS_INF 04-AUG-2009 P481220	N01-PS_INF 06-OCT-2009 P490492
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	24.60	24.40	20.60	7.70
Total Non-Chlorinated Phenols	2.16	UG/L	24.60	24.40	20.60	7.70
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
Phenols	2.16	UG/L	24.60	24.40	20.60	7.70
Additional analytes determined;						
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	69.80	67.00	37.30	49.70
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN 03-FEB-2009 P458412	N01-PEN 05-MAY-2009 P468696	N01-PEN 04-AUG-2009 P481225	N01-PEN 06-OCT-2009 P490497
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	11.20	11.50	2.40	13.10
Total Non-Chlorinated Phenols	2.16	UG/L	11.20	11.50	2.40	13.10
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
Phenols	2.16	UG/L	11.20	11.50	2.40	13.10
Additional analytes determined;						
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	36.70	25.70	3.70	26.90
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

ND= not detectedNA= Not AnalyzedNS= Not Sampled, NR= Not Required

North City Water Reclamation Plant
Semi Annual Sludge Project

2009

Phenolic Compounds

Analyte	MDL	Units	N10-EFF 03-FEB-2009 P458417	N10-EFF 05-MAY-2009 P468701	N10-EFF 04-AUG-2009 P481230	N10-EFF 06-OCT-2009 P490502
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	14.60	17.40	14.30	31.00
Total Non-Chlorinated Phenols	2.16	UG/L	14.60	17.40	14.30	31.00
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
Phenols	2.16	UG/L	14.60	17.40	14.30	31.00
Additional analytes determined;						
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	37.80	41.20	22.20	30.10
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N34-REC WATER 03-FEB-2009 P458422	N34-REC WATER 05-MAY-2009 P468706	N34-REC WATER 04-AUG-2009 P481235	N34-REC WATER 06-OCT-2009 P490507
2,4,6-trichlorophenol	1.65	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.01	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	2.16	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-chlorophenol	1.32	UG/L	ND	ND	ND	ND
2-nitrophenol	1.55	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
4-nitrophenol	1.14	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
Total Non-Chlorinated Phenols	2.16	UG/L	0.00	0.00	0.00	0.00
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
Phenols	2.16	UG/L	0.00	0.00	0.00	0.00
Additional analytes determined;						
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

ND= not detectedNA= Not AnalyzedNS= Not Sampled, NR= Not Required

2009

Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PS_INF 03-FEB-2009 P458410	N01-PS_INF 05-MAY-2009 P468694	N01-PS_INF 04-AUG-2009 P481223	N01-PS_INF 06-OCT-2009 P490495
Chloromethane	.5	UG/L	ND	ND	ND	ND
Bromomethane	.7	UG/L	ND	ND	ND	ND
Vinyl chloride	.4	UG/L	ND	ND	ND	ND
Chloroethane	.9	UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3	UG/L	ND	ND	ND	ND
Methylene chloride	.3	UG/L	1.3*	1.2	1.9	1.7*
1,1-dichloroethene	.4	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6	UG/L	ND	ND	ND	ND
Chloroform	.2	UG/L	2.4	6.9	2.5	1.4
1,2-dichloroethane	.5	UG/L	0.5	ND	ND	ND
1,1,1-trichloroethane	.4	UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4	UG/L	ND	ND	ND	ND
Bromodichloromethane	.5	UG/L	ND	ND	ND	ND
1,2-dichloropropane	.3	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5	UG/L	ND	ND	ND	ND
Trichloroethene	.7	UG/L	ND	ND	ND	ND
Benzene	.4	UG/L	ND	ND	ND	ND
Dibromochloromethane	.6	UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	.5	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3	UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1	UG/L	ND	ND	ND	ND
Bromoform	.5	UG/L	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	.5	UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1	UG/L	ND	ND	ND	5.4
Chlorobenzene	.4	UG/L	ND	ND	ND	ND
Toluene	.4	UG/L	0.6	0.5	0.6	0.5
Ethylbenzene	.3	UG/L	ND	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein	1.3	UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	.4	UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4	UG/L	ND	0.6	0.6	ND
1,3-dichlorobenzene	.5	UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7	UG/L	0.0	0.0	0.0	0.0
Purgeable Compounds	1.3	UG/L	3.5	8.6	5.0	7.3
Total Dichlorobenzenes	.5	UG/L	0.0	0.6	0.6	0.0
Additional analytes determined;						
Allyl chloride	.6	UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3	UG/L	ND	ND	ND	ND
meta,para xylenes	.6	UG/L	ND	ND	ND	ND
Styrene	.3	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	.7	UG/L	ND	ND	ND	ND
Methyl Iodide	.6	UG/L	ND	ND	ND	ND
Chloroprene	.4	UG/L	ND	ND	ND	ND
Methyl methacrylate	.8	UG/L	ND	ND	ND	ND
2-nitropropane	12	UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3	UG/L	ND	ND	ND	ND
Isopropylbenzene	.3	UG/L	ND	ND	ND	ND
Benzyl chloride	1.1	UG/L	ND	ND	ND	ND
ortho-xylene	.4	UG/L	ND	ND	ND	ND
Acetone	4.5	UG/L	1860.0	648.0	731.0	152.0
Carbon disulfide	.6	UG/L	1.6	1.8	1.5	0.8
2-butanone	6.3	UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND	ND

ND= not detected, NA= not analyzed, NS= not sampled
* =Blank did not meet QC criteria; Analyte above MDL. Methylene chloride levels 0.36, 0.72, and 0.73 ug/L in blank in Feb, May, and Oct respectively.

2009

Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PEN 03-FEB-2009 P458415	N01-PEN 05-MAY-2009 P468699	N01-PEN 04-AUG-2009 P481228	N01-PEN 06-OCT-2009 P490500
Chloromethane	.5	UG/L	ND	ND	ND	ND
Bromomethane	.7	UG/L	ND	ND	ND	ND
Vinyl chloride	.4	UG/L	ND	ND	ND	ND
Chloroethane	.9	UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3	UG/L	ND	ND	ND	ND
Methylene chloride	.3	UG/L	1.3*	1.5*	1.2	1.3*
1,1-dichloroethene	.4	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6	UG/L	ND	ND	ND	ND
Chloroform	.2	UG/L	2.1	2.3	2.5	1.5
1,2-dichloroethane	.5	UG/L	ND	ND	ND	ND
1,1,1-trichloroethane	.4	UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4	UG/L	ND	ND	ND	ND
Bromodichloromethane	.5	UG/L	ND	ND	ND	ND
1,2-dichloropropane	.3	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5	UG/L	ND	ND	ND	ND
Trichloroethene	.7	UG/L	ND	ND	ND	ND
Benzene	.4	UG/L	ND	ND	ND	ND
Dibromochloromethane	.6	UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	.5	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3	UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1	UG/L	ND	ND	ND	ND
Bromoform	.5	UG/L	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	.5	UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1	UG/L	28.2	ND	ND	ND
Chlorobenzene	.4	UG/L	ND	ND	ND	ND
Toluene	.4	UG/L	0.7	1.3	0.7	46.5
Ethylbenzene	.3	UG/L	ND	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein	1.3	UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	.4	UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4	UG/L	ND	0.6*	0.4	ND
1,3-dichlorobenzene	.5	UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7	UG/L	0.0	0.0	0.0	0.0
Purgeable Compounds	1.3	UG/L	31.0	3.6	4.4	48.0
Total Dichlorobenzenes	.5	UG/L	0.0	0.0	0.4	0.0

Additional analytes determined;

Allyl chloride	.6	UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3	UG/L	ND	ND	ND	ND
meta,para xylenes	.6	UG/L	ND	ND	ND	ND
Styrene	.3	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	.7	UG/L	ND	ND	ND	ND
Methyl Iodide	.6	UG/L	ND	ND	ND	ND
Chloroprene	.4	UG/L	ND	ND	ND	ND
Methyl methacrylate	.8	UG/L	ND	ND	ND	ND
2-nitropropane	12	UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3	UG/L	ND	ND	ND	ND
Isopropylbenzene	.3	UG/L	ND	ND	ND	ND
Benzyl chloride	1.1	UG/L	ND	ND	ND	ND
ortho-xylene	.4	UG/L	ND	ND	ND	ND
Acetone	4.5	UG/L	663.0	217.0	215.0	126.0
Carbon disulfide	.6	UG/L	1.5	4.9	3.4	3.0
2-butanone	6.3	UG/L	8.1	7.4	8.4	ND
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND	ND

ND= not detected, NA= not analyzed, NS= not sampled
* =Blank did not meet QC criteria; Analyte above MDL. Methylene chloride levels 0.36, 0.72, and 0.73 ug/L in blank in Feb, May, and Oct respectively. 1,4-dichlorobenzene level 0.4 ug/L.

POINT LOMA WASTEWATER TREATMENT PLANT
Annual Monitoring Report

2009

Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N10-EFF 03-FEB-2009 P458420	N10-EFF 05-MAY-2009 P468704	N10-EFF 04-AUG-2009 P481233	N10-EFF 06-OCT-2009 P490505
Chloromethane	.5	UG/L	ND	ND	ND	ND
Bromomethane	.7	UG/L	ND	ND	ND	ND
Vinyl chloride	.4	UG/L	ND	ND	ND	ND
Chloroethane	.9	UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3	UG/L	ND	ND	ND	ND
Methylene chloride	.3	UG/L	1.7*	2.2	1.7	2.5*
1,1-dichloroethene	.4	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6	UG/L	ND	ND	ND	ND
Chloroform	.2	UG/L	2.4	6.0	3.0	2.6
1,2-dichloroethane	.5	UG/L	ND	ND	ND	ND
1,1,1-trichloroethane	.4	UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4	UG/L	ND	ND	ND	ND
Bromodichloromethane	.5	UG/L	ND	ND	ND	ND
1,2-dichloropropane	.3	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5	UG/L	ND	ND	ND	ND
Trichloroethene	.7	UG/L	ND	ND	ND	ND
Benzene	.4	UG/L	ND	ND	ND	ND
Dibromochloromethane	.6	UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	.5	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3	UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1	UG/L	ND	ND	ND	ND
Bromoform	.5	UG/L	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	.5	UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1	UG/L	8.9	ND	ND	5.8
Chlorobenzene	.4	UG/L	ND	ND	ND	ND
Toluene	.4	UG/L	1.2	0.9	1.3	1.3
Ethylbenzene	.3	UG/L	ND	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein	1.3	UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	.4	UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4	UG/L	ND	0.7	0.6	ND
1,3-dichlorobenzene	.5	UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7	UG/L	0.0	0.0	0.0	0.0
Purgeable Compounds	1.3	UG/L	12.5	9.1	6.0	9.7
Total Dichlorobenzenes	.5	UG/L	0.0	0.7	0.6	0.0
Additional analytes determined;						
Allyl chloride	.6	UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3	UG/L	ND	ND	ND	ND
meta,para xylenes	.6	UG/L	0.8	ND	0.7	ND
Styrene	.3	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	.7	UG/L	ND	ND	ND	ND
Methyl Iodide	.6	UG/L	ND	ND	ND	ND
Chloroprene	.4	UG/L	ND	ND	ND	ND
Methyl methacrylate	.8	UG/L	ND	ND	ND	ND
2-nitropropane	12	UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3	UG/L	ND	ND	ND	ND
Isopropylbenzene	.3	UG/L	ND	ND	ND	ND
Benzyl chloride	1.1	UG/L	ND	ND	ND	ND
ortho-xylene	.4	UG/L	ND	ND	ND	ND
Acetone	4.5	UG/L	827.0	834.0	716.0	324.0
Carbon disulfide	.6	UG/L	1.5	2.0	2.8	2.3
2-butanone	6.3	UG/L	ND	8.0	7.4	7.5
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND	ND

ND= not detected, NA= not analyzed, NS= not sampled
* =Blank did not meet QC criteria; Analyte above MDL. Methylene chloride levels 0.36, 0.72, and 0.73 ug/L in blank in Feb, May, and Oct respectively.

2009

Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N34-REC WATER 03-FEB-2009 P458425	N34-REC WATER 05-MAY-2009 P468709	N34-REC WATER 04-AUG-2009 P481238	N34-REC WATER 06-OCT-2009 P490510
Chloromethane	.5	UG/L	ND	ND	ND	1.0
Bromomethane	.7	UG/L	ND	ND	ND	ND
Vinyl chloride	.4	UG/L	ND	ND	ND	ND
Chloroethane	.9	UG/L	ND	ND	ND	ND
1,1-dichloroethane	.4	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3	UG/L	ND	ND	ND	ND
Methylene chloride	.3	UG/L	0.5*	0.4	0.5	1.2*
1,1-dichloroethene	.4	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6	UG/L	ND	ND	ND	ND
Chloroform	.2	UG/L	83.4	56.1	45.9	96.2
1,2-dichloroethane	.5	UG/L	ND	ND	ND	ND
1,1,1-trichloroethane	.4	UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4	UG/L	ND	ND	ND	ND
Bromodichloromethane	.5	UG/L	52.7	35.7	35.1	74.3
1,2-dichloropropane	.3	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5	UG/L	ND	ND	ND	ND
Trichloroethene	.7	UG/L	ND	ND	ND	ND
Benzene	.4	UG/L	ND	ND	ND	ND
Dibromochloromethane	.6	UG/L	29.4	14.7	24.1	43.3
1,1,2-trichloroethane	.5	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3	UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1.1	UG/L	ND	ND	ND	ND
Bromoform	.5	UG/L	2.9	5.1	3.7	6.2
1,1,2,2-tetrachloroethane	.5	UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1	UG/L	1.3	ND	ND	ND
Chlorobenzene	.4	UG/L	ND	ND	ND	ND
Toluene	.4	UG/L	ND	ND	ND	ND
Ethylbenzene	.3	UG/L	ND	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein	1.3	UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	.4	UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	.4	UG/L	ND	ND	1.3	ND
1,3-dichlorobenzene	.5	UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7	UG/L	85.0	55.5	62.9	124.8
Purgeable Compounds	1.3	UG/L	169.7	112.0	109.3	221.0
Total Dichlorobenzenes	.5	UG/L	0.0	0.0	1.3	0.0

Additional analytes determined;

Allyl chloride	.6	UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	1.3	UG/L	ND	ND	ND	ND
meta,para xylenes	.6	UG/L	ND	ND	ND	ND
Styrene	.3	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	.7	UG/L	ND	ND	ND	ND
Methyl Iodide	.6	UG/L	ND	ND	ND	ND
Chloroprene	.4	UG/L	ND	ND	ND	ND
Methyl methacrylate	.8	UG/L	ND	ND	ND	ND
2-nitropropane	12	UG/L	ND	ND	ND	ND
1,2-dibromoethane	.3	UG/L	ND	ND	ND	ND
Isopropylbenzene	.3	UG/L	ND	ND	ND	ND
Benzyl chloride	1.1	UG/L	ND	ND	ND	ND
ortho-xylene	.4	UG/L	ND	ND	ND	ND
Acetone	4.5	UG/L	5.7	6.5	ND	68.4
Carbon disulfide	.6	UG/L	ND	ND	ND	ND
2-butanone	6.3	UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND	ND

ND= not detected, NA= not analyzed, NS= not sampled

* =Blank did not meet QC criteria; Analyte above MDL. Methylene chloride levels 0.36, 0.72, and 0.73 ug/L in blank in Feb, May, and Oct respectively.